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1995 Annual Report

Vital Statistics of Massachusetts

Massachusetts Department of Public Health
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The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
250 Washington Street, Boston, MA 02108–4619

WILLIAM F. WELD
Governor
ARGEO PAUL CELLUCCI
Lieutenant Governor
JOSEPH GALLANT
Secretary
DAVID H. MULLIGAN
Commissioner

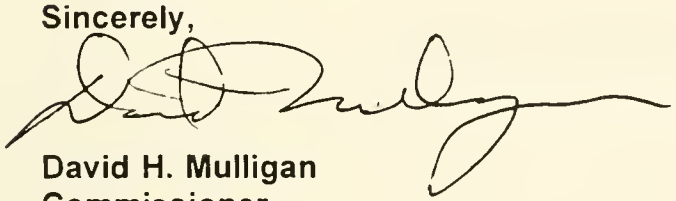
June 1997

To the Honorable Senate and
House of Representatives:

We have the honor to submit as required by Chapter 111, Section 2 of the General Laws, the one hundred fifty-fourth annual report on statistics of births, deaths, marriages and divorces in Massachusetts for calendar year 1995.

This is the thirty-second ANNUAL REPORT OF VITAL STATISTICS published by the Department of Public Health and is intended to assist in the development of policy and programmatic initiatives within the Department, as well as to provide State officials and agencies, and the general public, with valuable statistical information.

Sincerely,



David H. Mulligan
Commissioner

ANNUAL REPORT
VITAL STATISTICS OF MASSACHUSETTS
PUBLIC DOCUMENT #1
1995

THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC HEALTH

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JOSEPH GALLANT, SECRETARY OF HEALTH AND HUMAN SERVICES
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JUNE 1997

Publication of this document approved by Philmore Anderson III, State Purchasing Agent

ACKNOWLEDGEMENTS

This publication of the 1995 ANNUAL REPORT OF VITAL STATISTICS is the result of the combined efforts of all data providers, including the 351 city and town clerks, hospital personnel, physicians, funeral directors, probate courts, clinics, and Department of Public Health personnel. We gratefully acknowledge the assistance provided by all data providers, without whose efforts there would be no vital statistics.

Department of Public Health staff most significantly involved in the production of the 1995 ANNUAL REPORT OF VITAL STATISTICS include:

Bruce Cohen, Christine A. Payne, Abigail R. Averbach and Yong Chen, Bureau of Health Statistics, Research and Evaluation: assistance and technical data from Advance Data: Births 1995 and Advance Data: Deaths 1995;

Robert Danley, Bureau of Health Statistics, Research and Evaluation: population statistics;

Michael Healey, Division of Data Processing: data file management and vital events series printouts;

Howard H. Wong, Bureau of Health Statistics, Research and Evaluation: computer graphics programming;

Karin Barrett, Data Quality Assurance Coordinator, and Charlene Zion, Information Officer, Registry of Vital Records and Statistics: coordination of the hospital query program for birth certificate data, specialized data programming, and assistance in developing specialized table production;

Phyllis Zeuli, Assistant Registrar for Statistics: supervision of data collection, coding and editing, with technical assistance from Maureen McKean (Statistics Unit supervisor) and Robert Coffin (Chief Nosologist).

The joint efforts of all the staff of the Registry of Vital Records and Statistics are necessary to produce the data contained in this publication. Special acknowledgement is made to the following Registry supervisors:

Alan Goldin, Director of Automation, who is responsible for the installation and supervision of the Electronic Birth Certificate system (EBC) and all computer-based systems in the Registry office;

Pedro Fidalgo, Operations Unit Supervisor, who is responsible for all printing and mailing of forms;

Phyllis Rotman, Registration Unit Supervisor, who is responsible for coordination with cities and towns to produce the data in a timely fashion;

The 1995 ANNUAL REPORT OF VITAL STATISTICS has been compiled and produced under the general supervision and direction of:

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Editor

Massachusetts Department of Public Health publications and materials can be accessed on the Internet.

World Wide Web: http://www.magnet.state.ma.us/dph/

CONTENTS

TRANSMITTAL LETTER		i
ACKNOWLEDGEMENTS		v
TABLE OF CONTENTS		vii
INTRODUCTION		1
SECTION A--VITAL EVENTS		
Table A-1	Selected Facts in Vital Statistics, Massachusetts: 1995	11
Figure A-1	1995 Massachusetts Daily Vital Events	12
Table A-2	Number and Crude Rates of Vital Events, Massachusetts and United States: 1994-1995	13
Figure A-2	Rate of Natural Increase, Massachusetts and United States: 1920-1995	14
Table A-3	Massachusetts Resident Births and Deaths With Resultant Natural Increase: 1900-1995	15
Table A-4	Vital Events by Month, Massachusetts Residents: 1995	16
Table A-4A	Vital Events by Community: 1995	17
Table A-4B	Vital Events by County: 1995	28
SECTION B--BIRTHS		
Figure B-1	1995 Massachusetts Daily Birth Statistics	39
Table B-1	Trends in Birth Characteristics, Massachusetts: 1980, 1985, 1990-1995	40
Table B-2	Birth Characteristics by Race and Ethnicity, Massachusetts: 1995	41
Figure B-2	Resident Live Births by Mother's Race/Ethnicity: 1995	42
Figure B-3	Resident Live Births by Mother's Age: 1995	43
Table B-3A	Resident Birth Characteristics: 30 Largest Municipalities, Massachusetts: 1995	44
Table B-3B	Resident Birth Characteristics: Community Health Network Areas (CHNAs), Massachusetts: 1995	46

SECTION B--BIRTHS (continued)

Table B-4	Age-Specific and Crude Birth Rates, Massachusetts: 1994 and 1995	48
Figure B-4	Trends in Birth Rates for Women Under Age 30 and Ages 30-44, Massachusetts: 1987-1995	49
Table B-5	Parity by Age of Mother, Massachusetts: 1995	50
Table B-6	Resident Births by Mother's Age, Marital Status and Race/Ethnicity, Massachusetts: 1995	51
Table B-7	Resident Births to Teenage Mothers: 1970-1995	52
Table B-8	Births by Birthweight, Race, and Hispanic Ethnicity, Massachusetts: 1995	53
Table B-9	Low Birthweight by Age, Race, and Hispanic Ethnicity, Massachusetts: 1995	54
Figure B-5	Smoking Prevalence During Pregnancy by Race and Hispanic Ethnicity, Massachusetts: 1995	55
Figure B-6	Low Birthweight Among Smoking and Nonsmoking Mothers by Race and Hispanic Ethnicity, Massachusetts: 1995	56
Table B-10	Births by Gestational Age, Race, and Hispanic Ethnicity, Massachusetts: 1995	57
Figure B-7	Trends in Adequacy of Prenatal Care by Race, Massachusetts: 1980-1995	58
Table B-11	Low Birthweight by Level of Prenatal Care and Race and Hispanic Ethnicity, Massachusetts: 1995	59
Figure B-8	Adequacy of Prenatal Care for Selected Population Characteristics, Massachusetts: 1995	60
Table B-12	Birth Characteristics by Source of Prenatal Care Payment, Race and Hispanic Ethnicity, Massachusetts: 1995	61
Figure B-9	Percentage Distribution of Prenatal Care Payment Source, Massachusetts: 1995	63
Table B-13	Occurrence and Caesarean Births by Licensed Maternity Facility, Massachusetts: 1995	64
Table B-14A	Birth Characteristics, Occurrence and Resident Births and Infant Deaths, Massachusetts Municipalities: 1995	67
Table B-14B	Birth Characteristics, Occurrence and Resident Births and Infant Deaths, Massachusetts Counties: 1995	75
Table B-14C	Birth Characteristics, Occurrence and Resident Births and Infant Deaths, Massachusetts Community Health Network Areas (CHNAs): 1995	76

SECTION C--DEATHS

Figure C-1	Daily Death Statistics, Massachusetts: 1995	85
Table C-1	Trends in Mortality Characteristics, Massachusetts: 1980, 1985, 1990-1995	86
Figure C-2	Expected Years of Life Remaining at Different Ages for Males and Females by Race, Massachusetts: 1995	87
Table C-2	Five Leading Causes of Death, Age-Adjusted Rates, Massachusetts and United States: 1980, 1985, 1990-1995	88
Figure C-3	Massachusetts Crude Death Rate: 1842-1995	89
Table C-3	Leading Causes of Death by Age, All Persons, Massachusetts: 1995	90
Figure C-4	Trends in Deaths from Selected Causes, Massachusetts: 1842-1995	91
Table C-4	Leading Causes of Death and Age-Adjusted Death Rates by Race and Hispanic Ethnicity, Massachusetts: 1995	92
Figure C-5	Percentage Distribution of Leading Causes of Death, Massachusetts: 1995	93
Table C-5	Number and Age-Specific Rates for Selected Causes of Death by Race and Hispanic Ethnicity, Massachusetts: 1995	94
Table C-6	Heart Disease and Cancer Deaths by Race and Sex, Age-Adjusted Rates, Massachusetts: 1970-1995	95
Table C-7	Number and Age-Adjusted Rates of Cancer Deaths by Selected Causes and Sex, Massachusetts: 1995	96
Table C-8	Selected Causes of Cancer Deaths by Age, Massachusetts: 1995	97
Table C-9	Selected Causes of Cancer Deaths and Age-Adjusted Rates by Race and Hispanic Ethnicity, Massachusetts: 1995	98
Figure C-6	Suicide, Homicide and Motor Vehicle Death Rates, Massachusetts: 1844-1995	99
Table C-10	Injury Deaths by Sex, Age, Race and Hispanic Ethnicity: Numbers, Age-Adjusted, and Age-Specific Rates, Massachusetts: 1995	100
Table C-11	AIDS and HIV-Related Deaths by Sex and Race/Ethnicity, Massachusetts: 1987-1995	101
Table C-12	AIDS and HIV-Related Deaths by Race and Hispanic Ethnicity, Persons Ages 25-44, Massachusetts: 1989-1995	102
Table C-13A	Medical Examiner Certified Deaths by Cause, Race, Sex and Age, Massachusetts Occurrence: 1995	103

SECTION C--DEATHS (continued)

Figure C-7	Proportion of Deaths Certified by Medical Examiner for Selected Causes of Death, Massachusetts Occurrence Deaths: 1995	106
Table C-13B	Medical Examiner Certified Deaths by County, Massachusetts Occurrence: 1995	107
Table C-14A	Selected Causes of Death by Municipality, Massachusetts: 1995	108
Table C-14B	Selected Causes of Death by CHNA, Massachusetts: 1995	120
Table C-14C	Selected Causes of Death by County, Massachusetts: 1995	121
Table C-15	Resident Deaths by Cause, Sex, and Race: 1995	122

SECTION D--INFANT & NEONATAL DEATHS

Figure D-1	Infant Mortality Rates by Race, Massachusetts: 1980, 1985, 1989-1995	141
Figure D-2	Neonatal Mortality Rates by Race, Massachusetts: 1980, 1985, 1989-1995	142
Table D-1	Trends in Infant, Neonatal and Post Neonatal Mortality by Race and Hispanic Ethnicity, Massachusetts: 1989-1995	143
Table D-2	Trends in Infant, Neonatal and Post Neonatal Deaths, Massachusetts: 1980-1995	145
Table D-3	Infant, Neonatal, and Post Neonatal Deaths by Cause, Massachusetts: 1995	147
Table D-4	Infant Deaths by Major Causes, Race and Hispanic Ethnicity, Massachusetts: 1995	148
Figure D-3	Infant Mortality Rates, Massachusetts: 1842-1995	149

SECTION E--MARRIAGES & DIVORCES

Table E-1	Marriages and Divorces by County, Massachusetts Occurrence: 1995	155
Figure E-1	Rates of Marriages and Divorces per 1,000 Population, Massachusetts: 1900-1995	156
Table E-2	Marriages and Divorces and Rates per 1,000 Population, Massachusetts Occurrence: 1900-1995	157
Table E-3	Marriages by Age and Marital Status, Massachusetts Occurrence: 1995	158

SECTION E--MARRIAGES & DIVORCES (continued)

Table E-4	Number of Marriages by Age of Bride and Age of Groom, Massachusetts Occurrence: 1995	159
Table E-5	Number of Marriages for Bride by Number of Marriages for Groom, Massachusetts Occurrence: 1995	159

SECTION F--POPULATION

Figure F-1	Massachusetts Population: 1900-1995	165
Table F-1	Population by Race, Age and Sex, Massachusetts: 1990	166
Figure F-2	1990 Massachusetts Population by Age Group	168
Figure F-3	1990 Massachusetts Population by Race	169
Table F-2	Massachusetts Population by County: 1960-1990	170
Table F-3	Massachusetts Population by City and Town: 1980 and 1990	171
Table F-4	Population Counts and Estimates, Massachusetts: 1980-1995	174

APPENDICES

I	Source Documents	
	Standard Certificate of Live Birth	183
	Standard Certificate of Death	184
	Report of Fetal Death	185
	Certificate of Marriage	186
	Certificate of Absolute Divorce or Annulment	187
II	Registry of Vital Records and Statistics Staff	189

INTRODUCTION

The **ANNUAL REPORT OF VITAL STATISTICS** (Public Document No. 1) has been continuously published since 1842. This is the 32nd edition produced by the Department of Public Health. This report, required under the provisions of Chapter 111, section 2, of the Massachusetts General Laws, tabulates data on Massachusetts births, fetal deaths, deaths, marriages, divorces, and population for calendar year 1995. Approximately 2,000 copies of the report are distributed to federal, state, and local governmental agencies, private and public health planners and researchers, students, and members of the general public. The report provides its users with an overview of the health status of the Massachusetts population.

Vital statistics data may be tabulated either in terms of resident data or occurrence data. Resident data include all events which occur to residents of the Commonwealth, wherever the events occur. Occurrence data include all those events which occur within the state, including those which occur to out-of-state residents. There is an interstate exchange of copies of birth, death, and fetal death records among the fifty states, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and all Canadian provinces. These records are exchanged for statistical purposes only, for events which occur in states other than where the individual resides. This exchange allows each of the states and provinces to track the births and deaths of their residents. The majority of the data presented in this report for births and deaths is based on resident data. Marriage and divorce data, however, only reflect events which occurred within the Commonwealth.

REGISTRATION

The first government-operated system of vital events registration anywhere in the world began in the Commonwealth of Massachusetts in 1639 under colonial administration. Prior to that time, in countries with a vital registration system such as England, the responsibility for the registration of vital events had been placed on church officials. The Massachusetts system mandated the registration of vital events by the clerks of the communities. In 1842, the Massachusetts legislature established the first statewide coordination for the registration of these events by requiring that copies of the events registered in the local cities and town be sent to the Secretary of State. The first year of collection was designated for 1841. The collection of data and the production of the **ANNUAL REPORT OF VITAL STATISTICS** has continued since then. With the exception of the administrative location of the State Registry, the actual mechanics of the system have changed remarkably little over the years.

With limited exceptions, most vital records in Massachusetts are open public records. For open birth and death records, there is a triple registration process in Massachusetts. The event is first recorded in the city or town where the event occurred. The clerk of that community is then required to forward a certified copy of the record to both the community where the person resided at the time of the event and to the State Registry. Certified copies of the records may be issued from local or state records. If the record is a restricted record, such as those of out-of-wedlock births, the registration occurs only in the community where the event occurred and in the state office.

In addition to receiving a legal copy of each birth record from the city or town in which the birth occurred, the State Registry also receives a confidential copy of the birth record directly from the hospital or birthing center where the birth occurred. This copy includes confidential medical information in addition to the legal information. It is this copy of the record which is processed to produce the statistical information on births contained in this report.

Since 1986, the State Registry has developed a program of direct electronic transmission of birth records from hospitals. The system used in Massachusetts is called Electronic Birth Certificate (EBC). Almost 98 percent of all birth records are now received through this method. EBC has contributed to reducing processing time at both the hospital and the State Registry, while the system's built-in edits increase the quality of the data.

Anyone wishing to be married in the Commonwealth may receive a marriage license from any of the 351 cities or towns in the state, regardless of residence or where the marriage is to take place in the Commonwealth. The community issuing the license is required to send an attested copy of the marriage record to the State Registry.

The process for creating death certificates is the most complex of all vital records. Complete and accurate death records are dependent upon the following individuals: 1.) Certifier, who not only initiates the death registration process but also determines the cause of death as well as the place, time, and date of death; 2.) Funeral Director, who plays the role of facilitator in the death registration process and adds the personal data concerning the decedent, which are supplied by an informant; 3.) Burial Agent, who both issues the permit that allows the chosen disposition to take place and serves as the initial acceptor of the death certificate for official registration; and, 4.) City or Town Clerk, who records the death certificate, issues certified copies of same and forwards a copy of the death record to the Registry of Vital Records and Statistics and other communities as required by law.

The Registry of Vital Records and Statistics receives directly from hospitals or physicians the fetal death reports for fetuses of either twenty or more weeks gestation or weighing at least 350 grams. There are no local filings of fetal death reports.

Abstracts of divorces granted are also sent directly to the State Registry from the Registers of Probate from each county probate court.

STATISTICAL PROCESSING AND TABULATING

The records received in the State Registry are carefully examined for legal errors and inconsistencies. As part of the computerization process, errors and inconsistencies are queried and corrected. A computerized hospital query program is part of the EBC program. The Registry also has a data quality assurance program that includes on-site instruction for clerks and hospital personnel who have reporting difficulties, and training for all groups involved in the data collection process.

Annually, when registration is considered as complete as possible, statistics are aggregated for presentation in this report and in special studies, and for program monitoring and surveillance.

Anyone using statistical information for comparisons over time should be aware of inconsistencies and changing conventions for classification and coding. This is particularly important when using cause of death information. Codes used for classifying cause of death in this report are based on the Ninth Revision of the International Classification of Diseases, World Health Organization. Classification of variables such as race, nativity, and marital status may also differ over time.

It is hoped that this report will be useful to a wide range of health data users in the Commonwealth, as well as to educational planners, demographers, and historians. Questions concerning these data and requests for more detailed findings should be directed to:

Massachusetts Department of Public Health
Bureau of Health Statistics, Research and Evaluation
250 Washington Street
Boston, Massachusetts 02108
(617) 624-5699

VITAL EVENTS

SECTION A

VITAL EVENTS

HIGHLIGHTS

BIRTHS

- In 1995, there were 81,562 births to Massachusetts residents.
- Births decreased by 2.6% from 1994 to 1995.
- The 1995 Massachusetts birth rate per 1,000 residents was 13.3, a decrease of 2.9% from the birth rate of 13.7 in 1994.
- Massachusetts' 1995 birth rate of 13.3 per 1,000 residents was below the 1995 U.S. rate of 14.8.
- The most births occurred in July (9.1%--7,399 births); the fewest births occurred in February (7.4%--6,028 births).

DEATHS

- In 1995, 55,296 Massachusetts residents died.
- The number of deaths increased by less than 1.0% from 1994 to 1995.
- The Massachusetts death rate increased from 899.4 deaths per 100,000 residents in 1994 to 902.4 in 1995. The 1995 U.S. death rate of 880.0 deaths per 100,000 residents was slightly higher than the 1994 U.S. death rate of 875.4. The 1995 age-adjusted death rate in Massachusetts (443.7 per 100,000 residents) was lower than the U.S. age-adjusted death rate (503.9).
- The most deaths in 1995 occurred in December (9.3%--5,159); the fewest occurred in June (7.4%--4,106).

FETAL DEATHS

- There were 437 reportable fetal deaths to Massachusetts residents in 1995.
- Reportable fetal deaths decreased by 2.5% from 1994 to 1995. However, the 1995 fetal death rate of 5.3 per 1,000 live births and fetal deaths did not vary from the 1994 fetal death rate.

INFANT DEATHS

- In 1995, 419 infant deaths (less than 1 year of age) occurred to Massachusetts residents.
- The 1995 Massachusetts infant mortality rate of 5.1 deaths per 1,000 live births was a decrease from the 1994 infant mortality rate of 6.0 deaths per 1,000 live births.
- The black infant mortality rate decreased from 12.0 in 1994 to 11.1 in 1995.
- The Massachusetts 1995 infant mortality rate of 5.1 per 1,000 live births was 32.9% below the U.S. rate of 7.6.

MARRIAGES

- In 1995, there were 41,522 marriages in Massachusetts.
- The number of marriages in Massachusetts decreased by 2.3% from 1994 to 1995.
- The 1995 Massachusetts rate of 6.8 marriages per 1,000 population was below the U.S. rate of 8.9.
- The most marriages occurred in September (14.6%--6,077); the fewest occurred in January (3.1%--1,270).

DIVORCES

- In 1995, 15,772 divorces were granted in Massachusetts.
- Divorces in Massachusetts increased by 2.1% from 1994 to 1995.
- The 1995 Massachusetts divorce rate of 2.6 divorces per 1,000 population was below the U.S. rate of 4.4.
- The largest number of divorces was finalized in August (1,488--9.4%), and the fewest in February (1,131--7.2%).

NATURAL INCREASE

- The rate of natural increase in the Massachusetts resident population decreased from 4.7 in 1994 to 4.3 in 1995.
- The 1995 U.S. natural increase rate of 6.0 remains above that of Massachusetts.

The Vital Events section provides basic information on all vital events. In addition to the information highlighted above, this section contains summary birth and death data by city, town and county. More detailed information is contained in the sections on the individual events.

DEFINITIONS IMPORTANT FOR THIS SECTION INCLUDE:

FETAL DEATH

A fetal death is a death prior to the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of the pregnancy; the death is indicated by the fact that after such separation the fetus does not breathe or show any other evidence of life, such as the beating of the heart, pulsation of the umbilical cord, or definite movement of the voluntary muscles.

Massachusetts law requires that fetal deaths of 20 or more weeks gestation or weighing at least 350 grams be reported; therefore, the fetal deaths referred to in this report are of that gestational age or weight.

INFANT DEATH

Death of a child whose age is less than one year (365 days).

MISER

The Massachusetts Institute for Social and Economic Research. This research institute, located at the University of Massachusetts in Amherst, produces the official population estimates and projections for the Commonwealth.

NATURAL INCREASE

The difference between the number of resident live births and the number of resident deaths.

NEONATAL DEATH

Death of a child whose age is less than 28 days.

OCCURRENCE

Occurrence data reflect where the event took place without regard to residence. In Massachusetts, place will be one of 351 cities or towns.

RESIDENCE

The usual place of residence as reported by the mother (for births) or the informant (for deaths). An infant's residence is considered that of the mother. While occurrence data include only events that occurred within Massachusetts, residence data for births and deaths include those which may or may not have occurred in Massachusetts.

CRUDE RATES OF VITAL EVENTS:

BIRTH RATE	$\frac{\text{No. of Resident Live Births}}{\text{Total Resident Population}} \times 1{,}000$
FETAL MORTALITY RATE	$\frac{\text{Number of Resident Fetal Deaths}}{\text{Resident Live Births} + \text{Resident Fetal Deaths}} \times 1{,}000$
INFANT MORTALITY RATE	$\frac{\text{No. of Resident Deaths} < 1 \text{ Year}}{\text{Resident Live Births}} \times 1{,}000$
NEONATAL MORTALITY RATE	$\frac{\text{No. of Resident Deaths} < 28 \text{ Days}}{\text{Resident Live Births}} \times 1{,}000$
DEATH RATE	$\frac{\text{No. of Resident Deaths}}{\text{Total Resident Population}} \times 100{,}000$
MARRIAGE RATE	$\frac{\text{No. of Occurrence Marriages}}{\text{Total Resident Population}} \times 1{,}000$
DIVORCE RATE	$\frac{\text{No. of Occurrence Divorces}}{\text{Total Resident Population}} \times 1{,}000$

Table A-1
SELECTED FACTS IN VITAL STATISTICS
MASSACHUSETTS: 1995

BIRTH

Age Range of Mothers: 12-49

Age Range of Fathers: 14-95

Sets of Twins: 1,215

Sets of Triplets: 61

Sets of Quadruplets: 4

Most Births Occurred on: September 14, 1995 (297 births)

Fewest Births Occurred on: December 24, 1995 and December 31, 1995 (134 births each day)

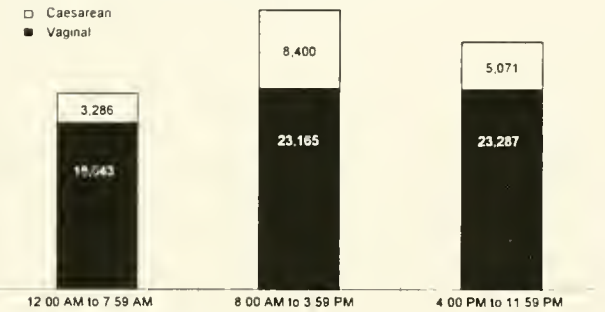
Highest # of Births at: Brigham and Women's Hospital (8,423 births)

Lowest # of Births at: Addison Gilbert Hospital (42 births)[1]

Ten Most Popular Names for Babies

Boys' Names	*Number*	*Girls' Names*	*Number*
Michael	1,334	Emily	781
Matthew	1,158	Samantha	620
Nicholas	1,034	Sarah	620
Christopher	906	Jessica	611
John	829	Ashley	537
Joseph	809	Nicole	495
Andrew	786	Amanda	464
Ryan	756	Elizabeth	454
Daniel	755	Hannah	424
Tyler	715	Rachel	417

Number of Births Occurring at Specified Times of Day when Delivery Method is Known*



* Unknown delivery methods = 295
Unknown times of birth = 15

DEATH

Male Decedents 100 Years and Older: 91

Female Decedents 100 Years and Older: 517

Most Deaths Occurred on: February 9, 1995 (206)

Fewest Deaths Occurred on: June 14, 1995 and July 11, 1995 (112 each day)

Month Most Suicides Occurred: January (59)

Month Most Homicides Occurred: September (27)

Month Most Motor Vehicle Deaths Occurred: October (62)

Weekday Most Deaths Occurred: Saturday (8,118)

Weekday Fewest Deaths Occurred: Thursday (7,760)

MARRIAGE

Ages of Brides: 14-88 years

Ages of Grooms: 15-89 years

Most Popular Month for Marriages: September (6,077)

Least Popular Month for Marriages: January (1,270)

Most Marriages Occurred On: October 7, 1995 (970)

Fewest Marriages Occurred On: January 16, 1995 (4)

Greatest Age Difference When Bride Older than Groom: 53 years

Greatest Age Difference When Groom Older than Bride: 44 years

DIVORCE

Length of Marriages Involved in Divorces: < 1 Year to 60 Years of Marriage

Most Common Length of Marriage Prior to Divorce: 5 years

Month Most Divorces Granted: August (1,488)

Month Fewest Divorces Granted: February (1,131)

[1] Addison Gilbert Hospital closed to births on March 1, 1995.

Figure A-1

1995 Massachusetts Daily Vital Events

Each day Massachusetts residents had approximately:

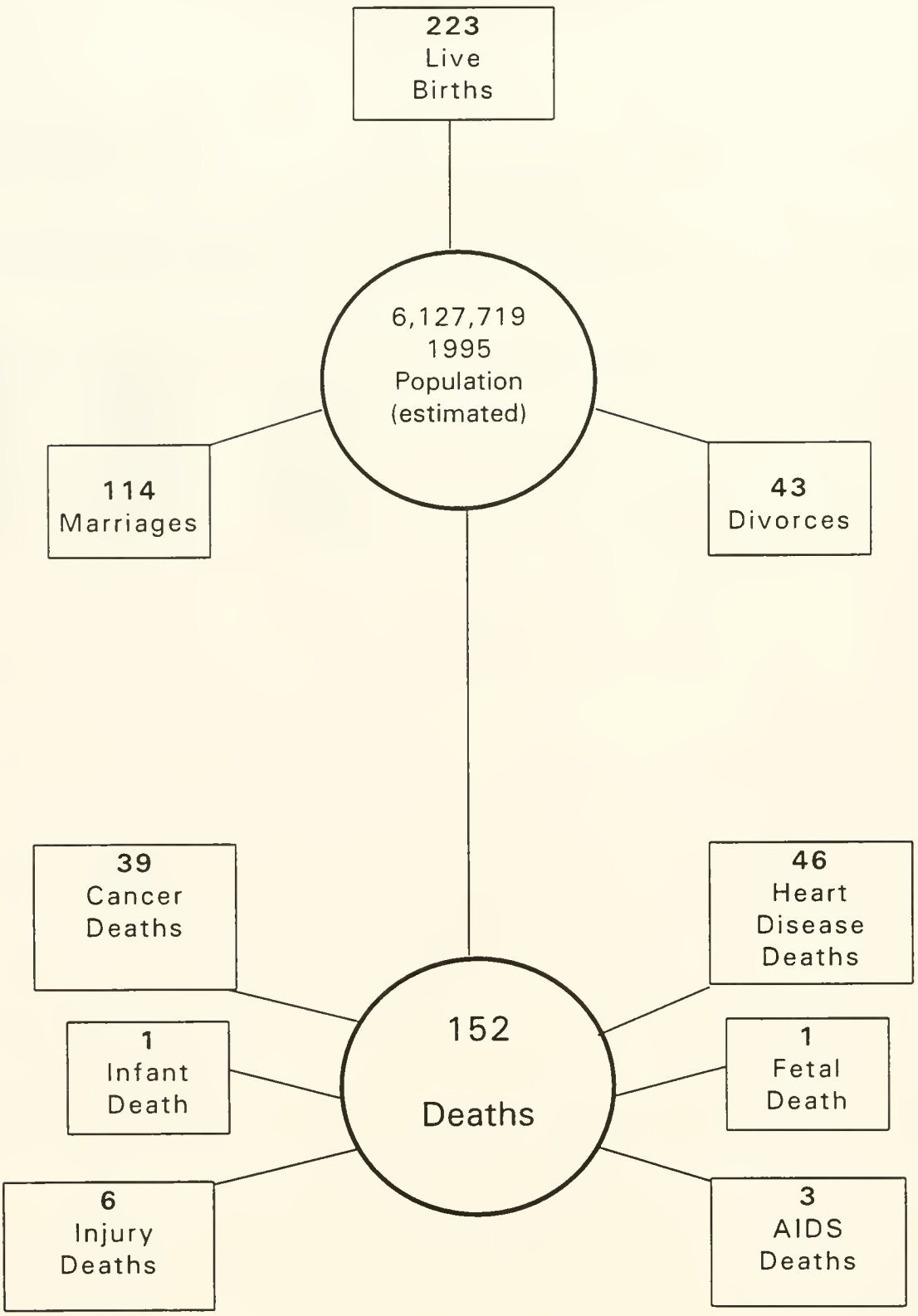


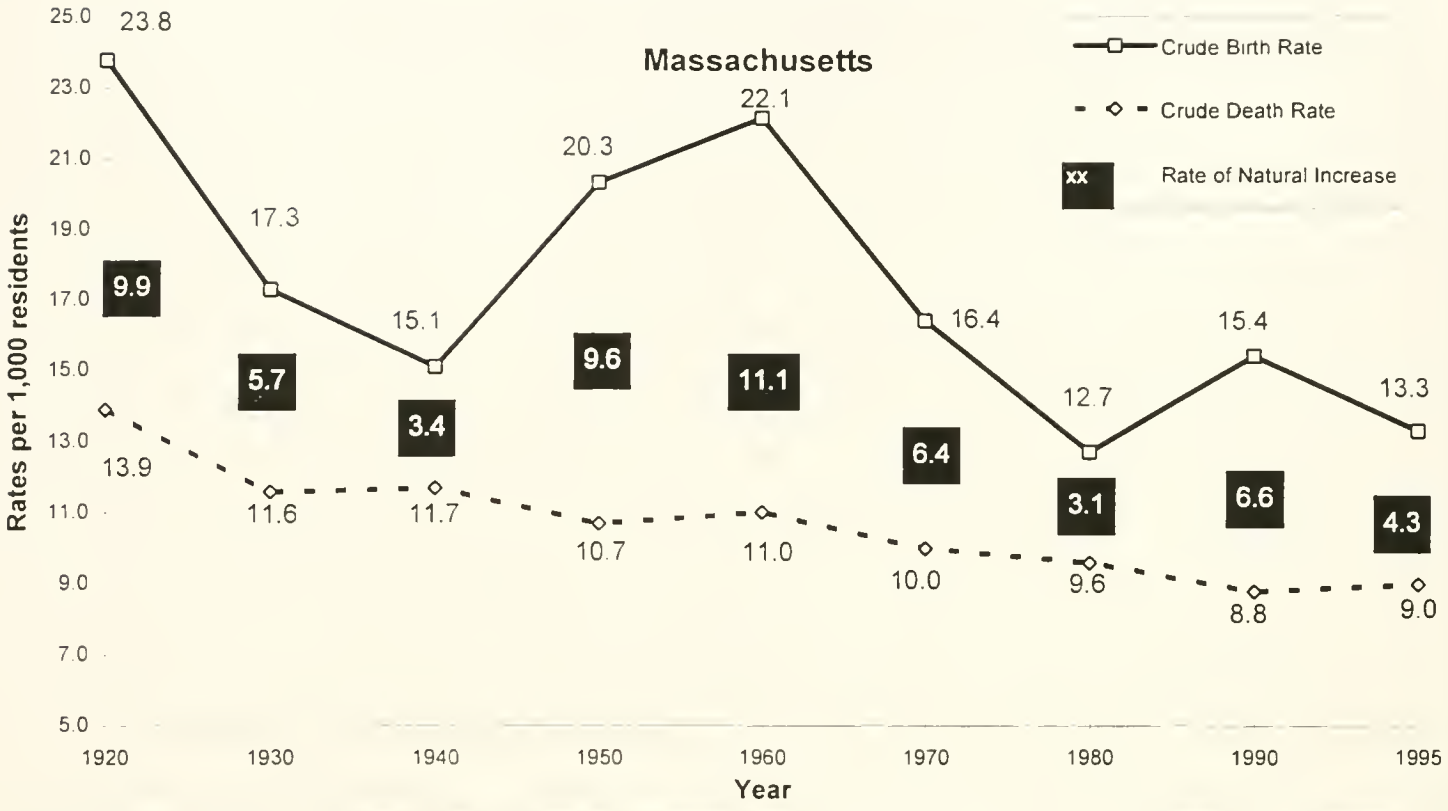
Table A-2. Number and Crude Rates of Vital Events, Massachusetts and United States: 1994-1995

Vital Event	Massachusetts 1995 Number	Massachusetts 1995 Rate	Massachusetts 1994 Number	Massachusetts 1994 Rate	Massachusetts % of Rate Change	United States 1995[1] Number	United States 1995[1] Rate	United States 1994[2] Number	United States 1994[2] Rate	United States % of Rate Change
Births	81,562	13.3	83,758	13.7	- 2.9	3,899,589	14.8	3,952,767	15.2	- 2.6
Fetal Deaths	437	5.3	448	5.3	0.0	NA[3]	NA	NA	NA	NA
Total Deaths	55,296	902.4	54,914	899.4	+ 0.3	2,312,132	880.0	2,278,994	875.4	+ 0.5
Infant Deaths	419	5.1	499	6.0	- 15.0	29,583	7.6	31,710	8.0	- 6.3
Neonatal Deaths	298	3.6	349	4.2	- 14.3	19,155	4.9	20,250	5.1	- 5.9
Marriages	41,522	6.8	42,503	7.0	- 2.9	2,336,000	8.9	2,362,000	9.1	- 2.2
Divorces	15,772	2.6	15,450	2.5	+ 4.0	1,169,000	4.4	1,191,000	4.6	- 4.3

NOTES: Neonatal and infant deaths are included in total deaths; neonatal deaths are included in infant deaths; fetal deaths are excluded from total deaths.
Figures for marriages and divorces reflect occurrence, not residence.
The rates for live births, marriages and divorces are per 1,000 population; rates for total deaths are per 100,000 population.
Rates for infant and neonatal deaths are per 1,000 live births.
Rates for fetal deaths are per 1,000 live births and fetal deaths.

[1] United States numbers and rates for 1995 Marriages and Divorces are provisional; all others are final. [2] United States numbers and rates for 1994 Marriages and Divorces are provisional; all others are final. [3] Not Available.

Figure A-2
Rate of Natural Increase
1920-1995



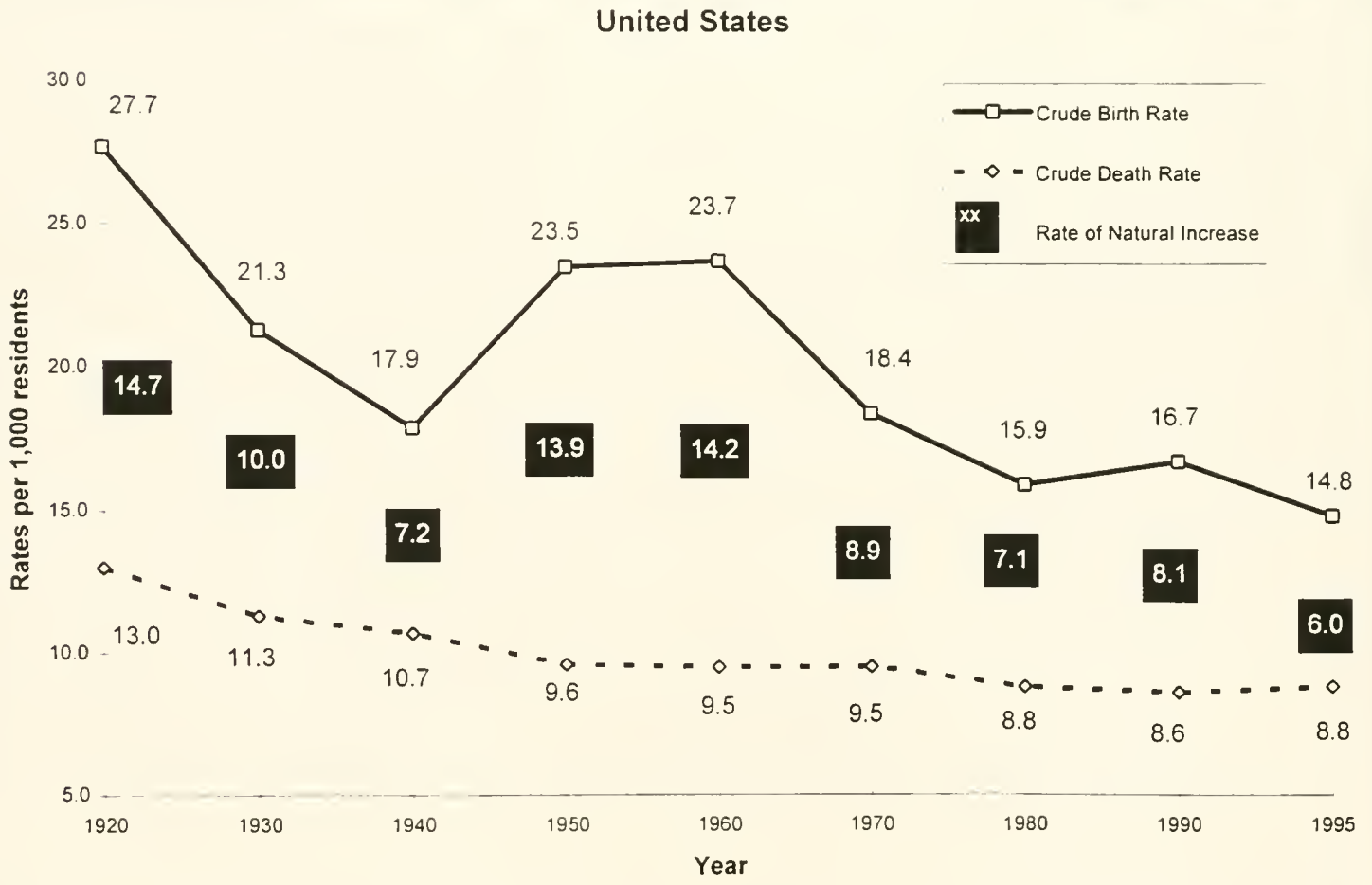


Table A-3. Massachusetts Resident Births and Deaths With Resultant Natural Increase

Massachusetts: 1900-1995

Year	Births	Deaths	Natural Increase	Rate/1,000 Residents
1900	73,386	51,156	22,230	7.9
1905	75,022	50,486	24,536	8.2
1910	86,539	54,407	32,132	9.5
1915	93,155	53,131	40,024	10.8
1920	91,859	53,632	38,227	9.9
1925	86,014	51,890	34,124	8.2
1930	73,690	49,503	24,187	5.7
1935	62,416	49,634	12,782	2.9
1940	65,369	50,698	14,671	3.4
1945	76,455	50,763	25,692	5.7
1950	95,619	50,359	45,260	9.6
1955	109,610	53,386	56,224	11.6
1960	114,018	56,560	57,458	11.2
1965	100,262	58,853	41,409	7.8
1970	93,582	56,944	36,638	6.4
1975	68,070	53,708	14,362	2.5
1980	72,591	54,934	17,657	3.1
1981	73,930	52,813	21,117	3.7
1982	75,749	52,867	22,882	4.0
1983	76,031	54,150	21,881	3.8
1984	78,197	55,189	23,008	4.0
1985	81,781	55,597	26,184	4.5
1986	82,168	55,860	26,308	4.5
1987	84,345	55,562	28,783	4.9
1988	88,047	56,407	31,640	5.4
1989	91,314	53,748	37,566	6.4
1990	92,461	53,008	39,453	6.6
1991	88,176	53,010	35,166	5.8
1992	87,202	53,804	33,398	5.5
1993	84,627	55,557	29,070	4.8
1994	83,758	54,914	28,844	4.7
1995	81,562	55,296	26,266	4.3

Table A-4. Vital Events by Month, Massachusetts Residents: 1995

		Births	Fetal Deaths[1]	Deaths	Infant Deaths[2]	Neonatal Deaths	Marriages	Divorces
Totals		81,562	437	55,296	419	298	41,522	15,772
January	#	6,558	20	5,127	50	38	1,270	1,394
	Rank	9	12	2	2	2	12	5
February	#	6,028	44	4,836	37	24	1,612	1,131
	Rank	12	2	4	3	5	11	12
March	#	6,935	30	5,092	30	21	1,748	1,412
	Rank	6	11	3	9	7	10	3
April	#	6,579	44	4,579	31	19	2,832	1,195
	Rank	8	2	5	8	10	7	9
May	#	7,261	39	4,529	29	21	4,470	1,163
	Rank	3	5	7	10	7	4	10
June	#	7,293	40	4,106	32	22	5,106	1,258
	Rank	2	4	12	7	6	3	8
July	#	7,399	38	4,292	36	29	4,057	1,452
	Rank	1	6	10	4	3	6	2
August	#	7,261	34	4,358	36	25	4,308	1,488
	Rank	3	9	9	4	4	5	1
September	#	7,067	45	4,146	29	19	6,077	1,368
	Rank	5	1	11	10	10	1	7
October	#	6,643	33	4,523	51	42	5,123	1,403
	Rank	7	10	8	1	1	2	4
November	#	6,361	35	4,549	25	17	2,679	1,133
	Rank	10	7	6	12	12	9	11
December	#	6,177	35	5,159	33	21	2,240	1,375
	Rank	11	7	1	6	7	8	6

[1] Fetal deaths are not included in Births or Deaths. [2] Infant deaths and neonatal deaths are included in total resident deaths; neonatal deaths are included in infant deaths.

TABLE A-4A
VITAL EVENTS BY COMMUNITY
1995

COMMUNITY	POPULATION (1)	LIVE BIRTHS		DEATHS		INFANT DEATHS (2)		MARRIAGES		RESIDENT NATURAL INCREASE
		OCCURRENCE	RESIDENT	OCCURRENCE	RESIDENT	TOTAL	NEONATAL	LICENSES ISSUED (3)	OCCURRENCE (4)	
STATE TOTAL	6,127,719	82,623	81,562	56,179	55,296	419	298	41,522	41,522	26,266
ABINGTON	13,711	1	232	78	136	1	1	94	85	96
ACTON	18,498	1	266	70	86	2	2	132	73	180
ACUSHNET	9,605	0	69	25	84	0	0	51	50	-15
ADAMS	9,458	0	104	28	125	0	0	74	65	-21
AGAWAM	28,024	1	331	284	284	0	0	249	235	47
ALFORD	434	1	2	4	6	0	0	3	2	-4
AMESBURY	15,585	0	223	91	145	1	1	125	78	78
AMHERST	34,282	2	194	78	125	2	2	151	139	69
ANDOVER	29,003	0	366	143	212	2	1	156	243	154
ARLINGTON	43,587	3	576	294	465	3	1	295	189	111
ASHBURNHAM	6,019	0	63	6	33	0	0	18	25	30
ASHBY	3,353	0	25	6	22	0	0	13	18	3
ASHFIELD	1,866	0	22	6	19	0	0	8	7	3
ASHLAND	13,156	0	238	21	83	0	0	67	51	155
ATHOL	11,693	0	107	144	124	1	0	93	71	-17
ATTLEBORO	37,588	824	676	453	365	1	1	291	255	311
AUBURN	14,882	0	188	86	150	0	0	106	98	38
AVON	4,810	0	61	5	45	0	0	35	30	16
AYER	6,903	1	117	190	59	2	2	71	31	58
BARNSTABLE	44,671	1,009	468	992	518	1	0	368	484	-50
BARRE	5,069	1	52	16	34	0	0	32	26	18
BECKET	2,027	0	23	2	4	0	0	5	8	19
BEDFORD	13,256	1	265	205	138	1	1	101	101	127
BELCHERTOWN	12,069	1	150	33	77	0	0	58	56	73
BELLINGHAM	15,654	2	203	31	107	2	1	113	87	96
BELMONT	24,355	0	282	84	237	1	0	180	144	45
BERKLEY	4,713	0	83	6	17	0	0	12	12	66
BERLIN	2,341	0	36	2	13	0	0	17	18	23
BERNARDSTON	2,100	0	21	5	11	0	0	14	16	10
BEVERLY	37,957	2,843	514	648	432	4	2	279	262	82
BILLERICA	39,585	0	546	89	225	1	1	239	172	321
BLACKSTONE	8,522	0	153	20	64	0	0	49	38	89

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(4) MARRIAGE FIGURES REFLECT OCCURRENCE, NOT RESIDENCE.

TABLE A-4A
VITAL EVENTS BY COMMUNITY
1995

COMMUNITY	POPULATION (1)	LIVE BIRTHS		DEATHS		INFANT DEATHS (2)		MARRIAGES		RESIDENT NATURAL INCREASE
		OCCURRENCE	RESIDENT	OCCURRENCE	RESIDENT	TOTAL	NEONATAL	LICENSES ISSUED (3)	OCCURRENCE (4)	
STATE TOTAL	6,127,719	82,623	81,562	56,179	55,296	419	298	41,522	41,522	26,266
BLANDFORD	1,348	0	12	0	6	1	1	1	3	6
BOLTON	3,375	0	46	2	10	0	0	23	20	36
BOSTON	594,000	20,045	8,034	8,376	4,932	54	44	3,988	4,181	3,102
BOURNE	17,936	0	273	118	180	0	0	102	117	93
BOXBOROUGH	3,598	0	63	6	14	0	0	19	9	49
BOXFORD	7,051	0	95	8	25	0	0	22	15	70
BOYLSTON	3,656	0	49	4	16	0	0	15	36	33
BRAINTREE	34,983	1	386	393	422	3	3	237	186	-36
BREWSTER	10,085	0	68	109	105	1	1	70	193	-37
BRIDGEWATER	21,135	1	266	40	123	1	0	122	108	143
BRIMFIELD	3,393	1	39	7	25	0	0	14	22	14
BROCKTON	89,329	1,579	1,415	1,369	869	3	0	555	504	546
BROOKFIELD	3,176	0	42	13	25	0	0	20	29	17
BROOKLINE	52,668	0	600	229	466	2	1	450	316	134
BUCKLAND	2,096	1	19	6	14	0	0	14	4	5
BURLINGTON	23,476	0	322	470	142	2	2	196	147	180
CAMBRIDGE	94,115	1,789	969	1,142	668	4	2	874	928	301
CANTON	19,478	1	265	130	232	3	2	135	133	33
CARLISLE	4,881	0	52	9	27	0	0	12	19	25
CARVER	13,089	1	128	20	70	1	1	51	59	58
CHARLEMONT	1,397	0	19	5	12	1	1	3	6	7
CHARLTON	10,250	2	141	44	86	1	1	35	43	55
CHATHAM	7,078	0	47	97	126	0	0	78	150	-79
CHELMSFORD	33,694	1	451	132	233	0	0	206	215	218
CHELSEA	26,583	3	580	202	306	7	3	292	199	274
CHESHIRE	3,724	0	44	3	24	0	0	14	19	20
CHESTER	1,339	0	18	3	9	0	0	2	2	9
CHESTERFIELD	1,519	0	8	3	10	0	0	2	10	-2
CHICOPEE	57,496	3	628	219	613	2	2	360	319	15
CHILMARK	722	1	5	2	7	0	0	24	43	-2
CLARKSBURG	1,803	0	15	0	22	0	0	2	9	-7
CLINTON	12,880	1	169	111	138	1	1	93	73	31

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TABLE A-4A
VITAL EVENTS BY COMMUNITY
1995

COMMUNITY	POPULATION (1)	LIVE BIRTHS		DEATHS		INFANT DEATHS (2)		MARRIAGES		RESIDENT NATURAL INCREASE
		OCCURRENCE	RESIDENT	OCCURRENCE	RESIDENT	TOTAL	NEONATAL	LICENSES ISSUED (3)	OCCURRENCE (4)	
STATE TOTAL	6,127,719	82,623	81,562	56,179	55,296	419	298	41,522	41,522	26,266
COHASSET	7,740	0	107	38	57	0	0	50	139	50
COLRAIN	1,848	0	22	2	18	0	0	9	11	4
CONCORD	17,948	1,566	181	337	153	0	0	118	150	28
CONWAY	1,691	0	20	0	10	0	0	1	5	10
CUMMINGTON	985	0	8	0	6	0	0	0	31	2
DALTON	6,838	0	88	31	65	0	0	30	38	23
DANVERS	24,757	2	299	301	246	0	0	197	297	53
DARTMOUTH	27,725	1	230	95	249	1	1	153	194	-19
DEDHAM	24,043	1	286	73	208	1	1	281	202	78
DEERFIELD	5,172	0	54	12	42	0	0	44	60	12
DENNIS	15,403	0	112	137	218	2	0	87	82	-106
DIGHTON	5,836	0	60	19	51	0	0	33	36	9
[illegible]LAS	5,715	0	88	11	40	0	0	39	24	48
[illegible]ER	5,270	0	57	7	29	1	0	21	22	28
DRACUT	28,073	0	413	50	210	0	0	148	90	203
DUDLEY	9,678	0	99	28	87	0	0	52	44	12
DUNSTABLE	2,555	0	33	10	18	0	0	14	11	15
DUXBURY	14,824	0	193	89	100	1	1	83	103	93
EAST BRIDGEWATER	11,037	0	166	41	92	0	0	78	134	74
EAST BROOKFIELD	1,990	0	19	3	16	1	0	2	12	3
EAST LONGMEADOW	13,458	0	141	176	186	1	0	110	89	-45
EASTHAM	5,294	0	20	25	60	0	0	28	42	-40
EASTHAMPTON	16,259	1	171	27	143	4	2	131	94	28
EASTON	20,448	0	275	81	132	1	1	156	151	143
EDGARTOWN	3,579	1	33	9	30	0	0	93	175	3
EGREMONT	1,386	0	3	4	8	0	0	0	7	-5
ERVING	1,539	0	9	5	17	0	0	4	5	-8
ESSEX	3,216	3	65	8	24	1	1	19	23	41
EVERETT	35,058	2	537	468	411	5	4	305	215	126
FAIRHAVEN	15,968	1	175	135	209	0	0	110	113	-34
FALL RIVER	89,393	1,721	1,179	1,399	1,114	7	4	683	615	65
FALMOUTH	29,743	601	287	427	355	2	1	261	357	-68

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TABLE A-4A
VITAL EVENTS BY COMMUNITY
1995

COMMUNITY	POPULATION (1)	LIVE BIRTHS		DEATHS		INFANT DEATHS (2)		MARRIAGES		RESIDENT NATURAL INCREASE
		OCCURRENCE	RESIDENT	OCCURRENCE	RESIDENT	TOTAL	NEONATAL	LICENSES ISSUED (3)	OCCURRENCE (4)	
STATE TOTAL	6,127,719	82,623	81,562	56,179	55,296	419	298	41,522	41,522	26,266
FITCHBURG	40,176	270	533	483	423	2	2	263	228	110
FLORIDA	764	0	6	1	3	0	0	5	4	3
FOXBOROUGH	15,746	0	227	40	106	1	0	90	112	121
FRAMINGHAM	66,994	2,260	956	588	499	3	3	536	365	457
FRANKLIN	23,770	0	560	64	136	2	1	146	119	424
FREETOWN	9,066	1	75	11	35	0	0	45	167	40
GARDNER	20,121	381	265	308	208	2	2	139	127	57
GAY HEAD	230	0	1	0	1	0	0	3	19	0
GEORGETOWN	6,735	1	120	7	33	0	0	26	27	87
GILL	1,606	0	17	2	14	0	0	2	10	3
GLOUCESTER	29,988	43	359	295	288	6	6	194	307	71
GOSHEN	1,057	1	14	2	9	0	0	3	6	5
GOSNOLD	64	0	1	0	1	0	0	1	2	0
GRAFTON	13,142	1	209	34	101	0	0	80	61	108
GRANBY	5,933	0	66	11	37	0	0	30	33	29
GRANVILLE	1,620	0	16	0	5	0	0	7	6	11
GREAT BARRINGTON	7,492	177	57	214	123	0	0	74	43	-66
GREENFIELD	18,268	604	202	412	245	1	1	185	115	-43
GROTON	8,470	1	152	14	48	2	2	43	149	104
GROVELAND	5,331	0	79	6	41	0	0	14	12	38
HADLEY	4,179	1	35	9	49	0	0	17	29	-14
HALIFAX	6,907	1	109	10	50	0	0	49	45	59
HAMILTON	7,546	0	95	14	56	0	0	37	50	39
HAMPDEN	5,049	0	45	49	31	0	0	17	22	14
HANCOCK	613	0	8	1	5	0	0	2	7	3
HANOVER	11,871	0	145	24	73	0	0	88	106	72
HANSON	9,362	1	123	16	46	0	0	59	49	77
HARDWICK	2,611	0	29	7	21	0	0	27	19	8
HARVARD	13,190	0	84	8	25	0	0	25	38	59
HARWICH	11,315	0	97	102	172	0	0	95	118	-75
HATFIELD	3,343	0	25	8	23	0	0	21	23	2
HAVERHILL	53,046	613	863	621	570	8	4	321	360	293

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VITAL EVENTS BY COMMUNITY
1995

COMMUNITY	POPULATION (1)	LIVE BIRTHS		DEATHS		INFANT DEATHS (2)		MARRIAGES		RESIDENT NATURAL INCREASE
		OCCURRENCE	RESIDENT	OCCURRENCE	RESIDENT	TOTAL	NEONATAL	LICENSES ISSUED (3)	OCCURRENCE (4)	
STATE TOTAL	6,127,719	82,623	81,562	56,179	55,296	419	298	41,522	41,522	26,266
HAWLEY	396	0	2	0	0	0	0	1	2	2
HEATH	701	0	7	0	3	0	0	3	9	4
HINGHAM	19,446	1	265	99	152	1	0	132	200	113
HINSDALE	2,079	0	24	24	24	0	0	9	7	0
HOLBROOK	11,718	1	107	25	86	2	2	54	43	21
HOLDEN	14,632	1	183	77	123	0	0	75	59	60
HOLLAND	2,533	1	33	4	15	0	0	11	8	18
HOLLISTON	13,810	0	184	23	60	3	3	74	89	124
HOLYOKE	40,601	1,145	684	836	581	1	0	231	272	103
HOPEDALE	5,313	0	96	37	45	0	0	24	41	51
HOPKINTON	10,465	0	195	14	47	0	0	42	52	148
HUBBARDSTON	2,887	0	50	7	20	0	0	10	7	30
HUDSON	18,629	2	241	37	107	1	1	129	90	134
HULL	9,956	0	167	23	81	1	1	76	58	86
HUNTINGTON	2,098	0	22	0	14	0	0	11	14	8
IPSWICH	12,553	1	155	51	106	1	1	85	132	49
KINGSTON	9,320	1	192	61	87	1	1	66	62	105
LAKEVILLE	8,726	0	106	44	69	0	0	49	48	37
LANCASTER	6,638	0	49	22	49	1	1	16	43	0
LANESBOROUGH	3,342	0	32	6	31	0	0	17	24	1
LAWRENCE	64,196	1,611	1,298	612	566	8	6	415	447	732
LEE	5,914	0	69	33	71	3	3	46	45	-2
LEICESTER	10,394	0	111	38	78	1	0	52	53	33
LENOX	5,137	1	54	88	80	0	0	45	130	-26
LEOMINSTER	38,560	1,491	612	297	337	5	3	322	272	275
LEVERETT	1,888	2	19	3	9	0	0	6	18	10
LEXINGTON	29,376	0	297	249	254	1	0	169	204	43
LEYDEN	810	0	5	0	3	0	0	0	4	2
LINCOLN	8,206	0	70	8	24	0	0	24	55	46
LITTLETON	7,572	0	112	52	61	0	0	44	61	51
LONGMEADOW	15,661	0	173	77	140	1	0	98	67	33
LOWELL	100,999	2,830	1,739	1,269	948	10	4	607	552	791

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1995

COMMUNITY	POPULATION (1)	LIVE BIRTHS		DEATHS		INFANT DEATHS (2)		MARRIAGES		RESIDENT NATURAL INCREASE
		OCCURRENCE	RESIDENT	OCCURRENCE	RESIDENT	TOTAL	NEONATAL	LICENSES ISSUED (3)	OCCURRENCE (4)	
STATE TOTAL	6,127,719	82,623	81,562	56,179	55,296	419	298	41,522	41,522	26,266
LUDLOW	19,565	2	211	50	153	0	0	128	120	58
LUNENBURG	9,333	0	109	16	65	0	0	44	79	44
LYNN	78,179	8	1,286	730	826	10	8	542	484	460
LYNNFIELD	11,371	0	121	16	87	1	1	71	138	34
MALDEN	53,532	610	784	411	497	7	3	353	348	287
MANCHESTER	5,475	1	62	17	46	0	0	40	73	16
MANSFIELD	17,052	0	454	32	85	0	0	140	93	369
MARBLEHEAD	19,781	0	236	96	159	3	2	167	162	77
MARION	4,605	0	34	57	47	0	0	22	35	-13
MARLBOROUGH	33,528	1	581	298	254	2	2	281	169	327
MARSHFIELD	22,451	0	361	58	178	0	0	151	145	183
MASHPEE	9,764	2	143	30	70	0	0	62	161	73
MATTAPOISETT	6,108	0	56	17	39	1	0	40	54	17
MAYNARD	10,873	2	177	17	67	2	2	61	51	110
MEDFIELD	11,316	0	169	21	52	0	0	46	28	117
MEDFORD	56,232	0	647	525	611	3	1	369	323	36
MEDWAY	10,774	1	202	46	76	1	0	71	75	126
MELROSE	28,014	1,341	376	456	288	1	1	162	145	88
MENDON	4,310	1	61	1	24	0	0	12	24	37
MERRIMAC	5,501	0	76	19	47	1	0	36	13	29
METHUEN	41,753	969	577	535	372	2	1	250	186	205
MIDDLEBOROUGH	18,323	0	253	133	163	0	0	120	128	90
MIDDLEFIELD	544	0	2	0	1	0	0	3	4	1
MIDDLETON	5,572	0	85	13	47	1	1	33	34	38
MILFORD	25,471	508	384	421	229	1	1	201	145	155
MILLBURY	12,160	0	159	55	116	2	2	92	52	43
MILLIS	8,175	0	140	9	45	0	0	54	88	95
MILLVILLE	2,499	0	41	4	11	0	0	19	17	30
MILTON	26,125	2	275	302	276	1	0	150	173	-1
MONROE	109	0	1	0	1	0	0	0	0	0
MONSON	8,201	0	94	15	66	0	0	39	46	28
MONTAGUE	8,300	0	97	30	80	2	2	49	58	17

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(4) MARRIAGE FIGURES REFLECT OCCURRENCE, NOT RESIDENCE.

TABLE A-4A
VITAL EVENTS BY COMMUNITY
1995

COMMUNITY	POPULATION (1)	LIVE BIRTHS		DEATHS		INFANT DEATHS (2)		MARRIAGES		RESIDENT NATURAL INCREASE
		OCCURRENCE	RESIDENT	OCCURRENCE	RESIDENT	TOTAL	NEONATAL	LICENSES ISSUED (3)	OCCURRENCE (4)	
STATE TOTAL	6,127,719	82,623	81,562	56,179	55,296	419	298	41,522	41,522	26,266
MONTEREY	1,134	0	7	3	6	0	0	2	2	1
MONTGOMERY	828	0	8	4	4	0	0	6	3	4
MOUNT WASHINGTON	126	0	2	0	1	0	0	0	4	1
NAHANT	3,919	0	38	32	49	0	0	31	89	-11
NANTUCKET	7,155	75	102	59	59	2	2	190	326	43
NATICK	31,438	609	472	339	274	2	1	246	156	198
NEEDHAM	28,287	0	399	319	267	2	2	202	137	132
NEW ASHFORD	177	0	4	0	2	0	0	0	5	2
NEW BEDFORD	96,273	1,512	1,234	1,306	1,111	11	9	661	610	123
NEW BRAINTREE	874	0	11	1	6	0	0	6	3	5
NEW MARLBOROUGH	1,510	0	18	0	10	0	0	6	27	8
NEW SALEM	1,023	0	8	1	6	0	0	2	9	2
NEWBURY	6,245	0	90	16	47	0	0	29	33	43
NEWBURYPORT	17,186	897	202	367	175	0	0	137	123	27
NEWTON	83,419	4,350	818	677	676	3	1	615	565	142
NORFOLK	10,407	0	135	127	52	1	0	46	40	83
NORTH ADAMS	16,324	379	180	267	187	0	0	97	81	-7
NORTH ANDOVER	24,130	0	308	126	210	2	1	140	158	98
NORTH ATTLEBORO	25,133	1	405	61	159	0	0	166	102	246
NORTH BROOKFIELD	4,767	0	53	12	47	0	0	25	29	6
NORTH READING	12,867	0	199	53	94	0	0	73	60	105
NORTHAMPTON	28,997	949	232	636	311	1	1	250	261	-79
NORTHBOROUGH	12,261	0	173	40	73	0	0	75	70	100
NORTHBRIDGE	13,352	0	201	129	143	3	3	92	77	58
NORTHFIELD	2,838	0	32	4	21	1	1	22	24	11
NORTON	14,717	0	287	54	110	1	0	94	103	177
NORWELL	9,266	0	108	104	88	1	1	66	69	20
NORWOOD	29,343	1,114	392	547	314	3	2	246	171	78
OAK BLUFFS	2,825	125	40	77	32	0	0	39	58	8
OAKHAM	1,679	0	17	4	9	0	0	4	6	8
ORANGE	7,882	1	76	14	65	0	0	50	48	11
ORLEANS	6,853	0	35	45	75	0	0	92	105	-40

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VITAL EVENTS BY COMMUNITY
1995

COMMUNITY	POPULATION (1)	LIVE BIRTHS		DEATHS		INFANT DEATHS (2)		MARRIAGES		RESIDENT NATURAL INCREASE
		OCCURRENCE	RESIDENT	OCCURRENCE	RESIDENT	TOTAL	NEONATAL	LICENSES ISSUED (3)	OCCURRENCE (4)	
STATE TOTAL	6,127,719	82,623	81,562	56,179	55,296	419	298	41,522	41,522	26,266
OTIS	1,250	0	10	3	7	0	0	4	3	3
OXFORD	13,250	1	142	57	102	2	2	98	80	40
PALMER	12,641	1	193	145	148	1	1	96	59	45
PAXTON	4,243	0	31	5	24	0	0	10	20	7
PEABODY	47,644	7	601	363	463	5	3	313	274	138
PELHAM	1,646	0	9	3	9	0	0	4	6	0
PEMBROKE	15,225	0	236	40	86	1	0	90	80	150
PEPPERELL	11,765	0	130	17	62	1	0	39	40	68
PERU	977	0	7	1	3	1	1	3	1	4
PETERSHAM	1,154	0	9	5	14	1	0	4	10	-5
PHILLIPSTON	1,451	0	15	1	5	0	0	1	11	10
PITTSFIELD	46,694	1,073	588	748	542	2	2	363	296	46
PLAINFIELD	647	0	5	1	1	0	0	3	7	4
PLAINVILLE	7,160	0	92	20	47	0	0	44	42	45
PLYMOUTH	45,629	904	677	484	341	2	1	297	314	336
PLYMPTON	2,525	0	34	8	20	0	0	12	12	14
PRINCETON	3,472	0	27	8	17	0	0	12	19	10
PROVINCETOWN	3,616	1	16	37	66	0	0	32	45	-50
QUINCY	86,909	936	1,083	770	983	4	4	745	616	100
RANDOLPH	31,399	0	413	130	313	2	2	181	174	100
RAYNHAM	10,198	0	132	45	75	0	0	82	48	57
READING	23,146	0	341	94	182	0	0	133	93	159
REHOBOTH	9,531	0	89	30	67	0	0	39	51	22
REVERE	44,125	0	617	198	498	2	1	267	272	119
RICHMOND	1,719	0	12	8	12	0	0	2	2	0
ROCHESTER	4,545	0	52	11	33	0	0	28	20	19
ROCKLAND	15,635	1	269	75	154	1	1	113	102	115
ROCKPORT	7,574	1	72	41	75	1	1	64	124	-3
ROWE	462	0	6	0	0	0	0	4	3	6
ROWLEY	4,801	0	77	21	27	1	1	17	20	50
ROYALSTON	1,296	0	13	2	5	0	0	3	1	8
RUSSELL	1,760	0	21	0	11	0	0	3	5	10

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TABLE A-4A
VITAL EVENTS BY COMMUNITY
1995

COMMUNITY	POPULATION (1)	LIVE BIRTHS		DEATHS		INFANT DEATHS (2)		MARRIAGES		RESIDENT NATURAL INCREASE
		OCCURRENCE	RESIDENT	OCCURRENCE	RESIDENT	TOTAL	NEONATAL	LICENSES ISSUED (3)	OCCURRENCE (4)	
STATE TOTAL	6,127,719	82,623	81,562	56,179	55,296	419	298	41,522	41,522	26,266
RUTLAND	5,176	0	69	10	23	0	0	25	24	46
SALEM	38,692	1,727	550	658	403	3	2	309	309	147
SALISBURY	8,606	0	97	30	76	0	0	54	66	21
SANDISFIELD	967	0	6	0	9	0	0	2	3	-3
SANDWICH	18,206	0	234	79	139	1	1	109	116	95
SAUGUS	25,902	0	284	125	270	1	1	163	137	14
SAVOY	813	0	7	1	7	0	0	1	3	0
SCITUATE	16,641	2	228	107	180	1	0	94	196	48
SEEKONK	13,306	3	127	32	91	0	0	147	134	36
SHARON	16,875	1	231	22	80	2	2	60	69	151
SHEFFIELD	2,978	0	36	12	27	0	0	42	27	9
SHELBURNE	2,151	0	12	21	29	0	0	11	24	-17
SHERBORN	4,385	0	46	1	14	0	0	17	50	32
SHIRLEY	6,693	1	66	10	37	0	0	24	35	29
SHREWSBURY	24,039	1	436	88	217	2	2	173	127	219
SHUTESBURY	1,672	0	17	5	5	0	0	1	6	12
SOMERSET	17,508	1	142	79	183	1	1	122	105	-41
SOMERVILLE	70,536	6	985	276	621	8	6	486	421	364
SOUTH HADLEY	16,999	0	153	87	178	1	1	101	110	-25
SOUTHAMPTON	5,047	1	53	9	37	1	1	28	17	16
SOUTHBOROUGH	6,706	0	112	6	40	0	0	32	55	72
SOUTHBRIDGE	17,023	412	254	268	183	2	1	134	107	71
SOUTHWICK	8,411	0	105	12	71	1	1	71	57	34
SPENCER	12,433	0	137	23	85	0	0	82	99	52
SPRINGFIELD	150,000	5,351	2,331	2,390	1,521	18	13	968	900	810
STERLING	7,435	0	85	9	30	0	0	47	73	55
STOCKBRIDGE	2,380	0	11	10	24	0	0	38	44	-13
STONEHAM	23,206	1,377	262	189	213	2	1	143	94	49
STOUGHTON	28,749	878	320	359	231	1	0	213	132	89
STOW	5,927	0	78	8	30	0	0	22	35	48
STURBRIDGE	8,563	0	87	14	64	0	0	104	109	23
SUDBURY	15,144	3	229	35	59	0	0	82	354	170

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1995

COMMUNITY	POPULATION (1)	LIVE BIRTHS		DEATHS		INFANT DEATHS (2)		MARRIAGES		RESIDENT NATURAL INCREASE
		OCCURRENCE	RESIDENT	OCCURRENCE	RESIDENT	TOTAL	NEONATAL	LICENSES ISSUED (3)	OCCURRENCE (4)	
STATE TOTAL	6,127,719	82,623	81,562	56,179	55,296	419	298	41,522	41,522	26,266
SUNDERLAND	3,392	0	45	23	13	0	0	22	17	32
SUTTON	7,524	0	115	16	51	0	0	22	46	64
SWAMPSCOTT	13,343	0	162	67	162	1	1	62	88	0
SWANSEA	15,821	0	174	49	134	1	1	92	119	40
TAUNTON	49,051	624	792	588	520	3	1	401	374	272
TEMPLETON	6,714	0	100	46	91	0	0	18	52	9
TEWKSBURY	28,653	1	455	148	201	5	4	181	132	254
TISBURY	3,749	2	41	12	31	0	0	36	47	10
TOLLAND	326	0	4	1	3	0	0	0	0	1
TOPSFIELD	5,785	1	55	9	27	0	0	23	34	28
TOWNSEND	10,282	1	116	10	37	0	0	44	18	79
TRURO	1,625	1	11	11	28	0	0	17	25	-17
TYNGSBOROUGH	10,046	0	173	14	49	0	0	65	54	124
TYRINGHAM	424	0	3	2	3	0	0	0	1	0
UPTON	4,957	1	113	14	40	0	0	35	28	73
UXBRIDGE	10,478	0	160	22	65	1	1	62	79	95
WAKEFIELD	25,739	0	320	136	246	2	2	159	157	74
WALES	1,900	0	24	5	14	0	0	4	2	10
WALPOLE	21,953	0	264	71	138	1	0	143	109	126
WALTHAM	58,502	380	779	461	489	1	1	448	401	290
WARE	10,259	237	93	109	108	0	0	61	53	-15
WAREHAM	21,129	444	249	273	221	1	1	134	136	28
WARREN	4,578	0	66	6	34	0	0	26	16	32
WARWICK	715	0	11	2	3	0	0	6	5	8
WASHINGTON	668	0	6	10	9	0	0	4	17	-3
WATERTOWN	32,679	1	400	140	300	2	2	316	210	100
WAYLAND	12,555	0	166	81	109	0	0	60	71	57
WEBSTER	16,178	4	216	209	201	3	2	110	113	15
WELLESLEY	27,139	7	362	102	194	1	1	115	156	168
WELLFLEET	2,885	0	15	19	38	0	0	36	55	-23
WENDELL	1,043	0	6	0	3	0	0	0	0	3
WENHAM	4,283	0	31	14	24	0	0	9	12	7

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VITAL EVENTS BY COMMUNITY
1995

COMMUNITY	POPULATION (1)	LIVE BIRTHS		DEATHS		INFANT DEATHS (2)		MARRIAGES		RESIDENT NATURAL INCREASE
		OCCURRENCE	RESIDENT	OCCURRENCE	RESIDENT	TOTAL	NEONATAL	LICENSES ISSUED (3)	OCCURRENCE (4)	
STATE TOTAL	6,127,719	82,623	81,562	56,179	55,296	419	298	41,522	41,522	26,266
WEST BOYLSTON	6,520	0	60	41	57	0	0	40	53	3
WEST BRIDGEWATER	6,526	0	72	18	55	0	0	58	58	17
WEST BROOKFIELD	3,932	2	46	48	40	0	0	14	55	6
WEST NEWBURY	3,773	0	44	11	24	0	0	18	16	20
WEST SPRINGFIELD	27,274	1	349	119	259	3	2	180	215	90
WEST STOCKBRIDGE	1,486	0	17	1	13	0	0	12	17	4
WEST TISBURY	1,725	1	29	5	10	0	0	14	40	19
WESTBOROUGH	13,985	1	214	121	132	0	0	121	90	82
WESTFIELD	39,152	0	452	371	329	3	2	250	307	123
WESTFORD	17,949	0	328	62	92	3	3	106	105	236
WESTHAMPTON	1,470	0	12	1	9	0	0	2	3	3
WESTMINSTER	6,524	0	72	12	38	0	0	53	78	34
WESTON	10,645	0	122	80	92	0	0	64	98	30
WESTPORT	14,480	0	113	25	99	0	0	81	116	14
WESTWOOD	12,915	0	163	51	133	0	0	71	75	30
WEYMOUTH	57,053	2,948	784	929	544	3	2	377	302	240
WHATELY	1,510	0	22	9	12	0	0	4	9	10
WHITMAN	13,010	0	178	24	101	2	0	99	88	77
WILBRAHAM	13,037	0	121	110	156	0	0	67	82	-35
WILLIAMSBURG	2,792	0	33	6	20	0	0	10	15	13
WILLIAMSTOWN	7,939	2	52	133	90	0	0	47	58	-38
WILMINGTON	18,541	1	344	139	154	0	0	97	81	190
WINCHENDON	9,340	0	115	31	78	1	0	38	32	37
WINCHESTER	20,109	2,202	261	370	178	0	0	111	133	83
WINDSOR	819	0	3	2	5	0	0	2	4	-2
WINTHROP	18,392	1	211	87	224	0	0	141	109	-13
WOBURN	38,268	0	437	162	308	1	1	251	228	129
WORCESTER	164,000	6,144	2,374	3,153	1,885	21	18	1,302	1,305	489
WORTHINGTON	1,594	0	10	0	5	1	1	4	5	5
WRENTHAM	10,072	2	151	65	75	2	1	40	45	76
YARMOUTH	22,264	0	217	181	409	3	3	151	177	-192

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TABLE A-4B
VITAL EVENTS BY COUNTY
1995

COUNTY	POPULATION (1)	LIVE BIRTHS		DEATHS		INFANT DEATHS (2)		MARRIAGES (3)	DIVORCES (3)	RESIDENT NATURAL INCREASE
		OCCURRENCE	RESIDENT	OCCURRENCE	RESIDENT	TOTAL	NEONATAL			
STATE TOTAL	6,127,719	82,623	81,562	56,179	55,296	419	298	41,522	15,772	26,266
BARNSTABLE	206,738	1,614	2,043	2,409	2,559	10	6	2,227	585	-516
BERKSHIRE	139,396	1,633	1,498	1,640	1,548	6	6	1,003	423	-50
BRISTOL	503,412	4,689	6,771	4,525	4,890	27	19	3,448	1,444	1,881
DUKES	12,894	130	150	105	112	0	0	384	49	38
ESSEX	676,479	8,728	9,585	6,111	6,360	63	45	4,826	1,897	3,225
FRANKLIN	72,475	608	771	567	655	5	5	475	300	116
HAMPDEN	453,617	6,506	6,033	4,877	4,630	32	22	2,841	1,334	1,403
HAMPSHIRE	151,719	1,193	1,295	1,023	1,172	10	8	916	315	123
MIDDLESEX	1,425,285	19,343	19,374	11,046	11,473	86	59	8,807	2,919	7,901
NANTUCKET	7,155	75	102	59	59	2	2	326	36	43
NORFOLK	640,531	5,895	8,434	4,925	5,714	41	27	3,821	1,519	2,720
PLYMOUTH	440,331	2,937	6,314	3,323	3,654	20	9	2,998	1,541	2,660
SUFFOLK	683,100	20,049	9,442	8,863	5,960	63	48	4,761	1,066	3,482
WORCESTER	714,587	9,223	9,750	6,706	6,510	54	42	4,689	2,344	3,240

(1) POPULATION DATA ARE INTERPOLATIONS OF THE 1990 U.S. CENSUS AND THE MISER 1995 ESTIMATES.

(2) INFANT AND NEONATAL DEATHS ARE INCLUDED IN TOTAL RESIDENT DEATHS.

(3) MARRIAGE AND DIVORCE FIGURES REFLECT OCCURRENCE, NOT RESIDENCE.

BIRTHS

SECTION B

BIRTHS

There were 81,562 live births to Massachusetts residents in 1995, a 2.6% decrease from the 83,758 resident live births in 1994. Live births to Massachusetts residents include all births to Massachusetts residents, regardless of the state in which they occurred. Most data presented in this section are resident data. Table B-13 presents births by hospital/birthing center of occurrence.

OCCURRENCE BIRTHS

In 1995, 82,623 births occurred in Massachusetts. All but 299 births occurred at the 59 hospitals with maternity units or birthing centers in this state. The number of babies delivered at these hospitals/birthing centers ranged from 42 at Addison Gilbert Hospital[1] in Gloucester to 8,423 at Brigham and Women's Hospital in Boston. The median number of births per facility was 968, a decrease from the median number of 1,006 in 1994. The four hospitals with the greatest numbers of births -- Brigham and Women's (8,423), Baystate Medical Center (5,335), Beth Israel (5,312), and Newton-Wellesley Hospital (4,348) -- represented 28.3% of all births occurring in Massachusetts. The distribution of Massachusetts births by hospital size is presented below.

1995 DISTRIBUTION OF MASSACHUSETTS OCCURRENCE BIRTHS BY HOSPITAL

NUMBER OF BIRTHS AT HOSPITAL	NUMBER OF HOSPITALS IN CATEGORY	TOTAL NUMBER OF BIRTHS IN CATEGORY	% OF TOTAL BIRTHS
< 500	16	4,327	5.2
500-999	15	11,494	13.9
1000-1499	9	11,048	13.4
1500-1999	8	13,311	16.1
≥ 2000	11	42,144	51.0
ALL OTHER[2]		299	0.4
TOTAL	59	82,623	100.0

[1] Addison Gilbert Hospital closed to births on March 1, 1995.

[2] Includes hospitals without maternity units, home births, births en route to hospital and births occurring in a doctor's office/clinic.

BIRTHS BY RACE/ETHNICITY

There are a number of points to keep in mind when analyzing 1995 data by race/ethnicity. Since June 1986, information on both race and ethnicity rather than just race has been collected. This provides improved data, particularly for Hispanic births. Presented for comparison below are resident birth data for calendar years 1994 and 1995, utilizing maternal race and Hispanic ethnicity information:

RACE AND HISPANIC ETHNICITY OF MOTHER
1994 - 1995

MATERNAL RACE/ETHNICITY	1995		1994		CHANGE (1995-1994)
	TOTAL BIRTHS	% OF BIRTHS	TOTAL BIRTHS	% OF BIRTHS	
White non-Hispanic	63,029	77.3	64,576	77.1	- 1,547
Black non-Hispanic	5,854	7.2	6,258	7.5	- 404
Hispanic	8,077	9.9	8,429	10.1	- 352
Asian	3,436	4.2	3,382	4.0	+ 54
Other[3]	972	1.2	949	1.1	+ 23
Unknown[4]	194	0.2	164	0.2	+ 30
TOTAL	81,562	100.0	83,758	100.0	- 2,196

The final point which must be considered is the method used to present data by race/ethnicity. Massachusetts follows the recommendation from the National Center for Health Statistics (NCHS) for classifying race/ethnicity on the birth certificate according to the self-reported race/ethnicity of the mother. Beginning with 1989 births, birth data are presented by race/ethnicity of the mother only.

TEEN BIRTHS

For the sixth consecutive year, the number of births to mothers between the ages of 15 and 19 decreased -- from 6,412 in 1994 to 5,990 in 1995. In addition, the percentage of all Massachusetts resident births to mothers in this age group also decreased -- from 7.7% in 1994 to 7.3% in 1995. The age-specific birth rate decreased from 31.2 to 29.2.

[3] Other races include American Indian, Hawaiian, and Other.
[4] Unknown race: mothers did not indicate a race/ethnicity.

BIRTHS BY MARITAL STATUS

The proportion of unmarried mothers decreased from 26.6% of all resident births in 1994 to 25.6% of all resident births in 1995. Almost 90% of the mothers under the age of 20 were unmarried, while 20.4% of the mothers aged 20 or older were unmarried.

BIRTHS BY AGE OF MOTHER

Excluding mothers whose age was 45 years or older, the largest percentage increase in births between the years 1994 and 1995 (14.8%) were to mothers in the 40-44 age group, as shown below. (While the percentage increase among women over age 44 is substantially higher than the 40-44 age group, it is based on a relatively small number of total births.)

AGE OF MOTHER	NUMBER OF BIRTHS 1995	NUMBER OF BIRTHS 1994	DIFFERENCE IN THE NO. OF BIRTHS 1994-1995	PERCENTAGE CHANGE 1994-1995
< 20	6,107	6,567	- 460	- 7.0
20-24	12,742	13,849	- 1,107	- 8.0
25-29	22,346	24,068	- 1,722	- 7.2
30-34	26,402	26,168	+ 234	+ 0.9
35-39	11,803	11,249	+ 554	+ 4.9
40-44	2,063	1,797	+ 266	+ 14.8
≥ 45	97	60	+ 37	+ 61.7

BIRTHS BY CAESAREAN SECTION

The number of Caesarean section deliveries to Massachusetts residents decreased from 17,289 in 1994 to 16,758 in 1995. The C-section rate per 1,000 live births also decreased from 206.4 in 1994 to 205.5 in 1995. In 1995, 20.7% of Massachusetts resident infants were delivered by Caesarean section, the same percentage as in 1994. South American women delivered the highest percentage of infants by Caesarean section: 26.5%. Cambodian women delivered the lowest percentage of infants via Caesarean section: 9.7%. (Calculations are based on births with known method of delivery.)

HOSPITAL PROFILES

The following is a synopsis of the data presented in Table B-13, Occurrence and Caesarean Births by Licensed Maternity Facility:

- In 1995, 82,623 births occurred in Massachusetts, a decrease of 12.5% since 1990. Caesarean section was the method of delivery for 20.7% of 1995 births. (Calculations are based on births with known method of delivery.)

- In 1995, five hospitals showed a percentage of 10% or higher for low birthweight deliveries. These hospitals were: Boston City, Brigham and Women's, Medical Center of Central Massachusetts--Worcester, New England Medical Center, and Massachusetts General Hospital.

- In six hospitals, 50% or more of the deliveries were paid with public funds: Addison Gilbert (maternity facility closed March 1, 1995), Boston City, Cambridge, Holyoke, Malden, and Providence. In seven hospitals, less than 10% of deliveries were paid with public funds: Boston Regional Medical Center, Emerson, Mount Auburn, Newton-Wellesley, North Shore Birthing Center, South Shore, and Winchester.

- In 1995, 28 of the 59 licensed maternity facilities exceeded the state-wide average (84.1%) for adequacy of prenatal care for their patients. However, three maternity facilities had less than 60% of their patients receiving adequate prenatal care: Boston City, Good Samaritan, and Lawrence General.

- Statewide, the lowest rates of Caesarean section deliveries were at the following hospitals: Tobey (12.9%), Waltham/Weston (12.9%), and North Shore Birthing Center (0.0%).

- In 1995, no hospital reported Caesarean section as the method of delivery for 30% or more of its births for the second consecutive year. This contrasts with two hospitals in 1994, four in 1992, three in 1991, and six in 1990.

LOW BIRTHWEIGHT INFANTS

The percentage of low birthweight infants (less than 2,500 grams or five pounds eight ounces) decreased from 6.4% in 1994 to 6.3% in 1995. The actual number of low birthweight deliveries also decreased from 5,335 births in 1994 to 5,174 births in 1995. The percent of low birthweight babies born to mothers under the age of 20 decreased from 11.2% in 1994 to 10.2% in 1995.

DEFINITIONS IMPORTANT FOR THIS SECTION INCLUDE:

ADEQUACY OF PRENATAL CARE

The Index of Adequacy of Prenatal Care (based on the Kessner Index) has five categories (adequate, intermediate, inadequate, no prenatal care, and unknown), based on the trimester in which prenatal care began and the number of prenatal visits. The general classification scheme is as follows:

CATEGORY	TRIMESTER CARE BEGAN	# OF VISITS
Adequate	1	9 or more
Intermediate	1	5-8
	2	5 or more
Inadequate	1	1-4
	2	1-4
	3	1 or more
No prenatal care	--	0
Unknown	Unknown	Unknown

This classification is adjusted for gestational age to allow for proper classification of premature births.

BIRTHWEIGHT

The weight of an infant recorded at the time of delivery. It may be recorded in either pounds/ounces or grams. If recorded in pounds/ounces, it is converted to grams for use in this report.

1 pound = 453.6 grams
1,000 grams = 2 pounds, 3 ounces

BIRTHWEIGHT CATEGORIES

Normal birthweight (NBW): An infant's weight of 2,500 grams (5.5 pounds) or more recorded at birth.
Low birthweight (LBW): An infant's weight of less than 2,500 grams (5.5 pounds) recorded at birth.
Very low birthweight (VLBW): An infant's weight of less than 1,500 grams (3.3 pounds) recorded at birth.

CAESAREAN SECTION or C-SECTION

Primary: A mother's first Caesarean section delivery.
Repeat: A Caesarean delivery that has been preceded by at least one Caesarean delivery.

ETHNICITY

See Race.

INFANT

A child whose age is less than one year (365 days).

LIVE BIRTH

A live birth is any infant who breathes or shows any other evidence of life (such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles) after separation from the mother's uterus, regardless of the duration of gestation.

LOW BIRTHWEIGHT (LBW)

See Birthweight Categories.

NEONATE

A child under 28 days of age.

NORMAL BIRTHWEIGHT (NBW)

See Birthweight Categories.

OCCURRENCE BIRTH

A birth occurring in the Commonwealth of Massachusetts, regardless of the residency of the mother. In Massachusetts, the place will be one of the 351 cities or towns. See Resident Birth.

PARITY

Total number of live births, including the present birth, ever born to the mother.

POST NEONATE

A child whose age is at least 28 days, but less than one year.

PRIMARY

See Caesarean Section.

RACE

Assignment of an Infant's Race/Ethnicity: Prior to 1989, the race/ethnicity of an infant was assigned by combining information on the race/ethnicity of the mother and the race/ethnicity of the father. Since 1989, Massachusetts has followed the National Center for Health Statistics' recommendation of classifying births according to the self-reported race/ethnicity of the mother. Therefore, beginning in 1989, the race/ethnicity of an infant is identical to the self-reported race/ethnicity of the infant's mother.

Race of mother: For data presented in this publication, mother's race is as reported by the infant's mother.

Hispanic Ethnicity: Beginning in 1986, an identifier for Hispanic ethnicity was added to the birth certificate. Prior to this change, most Hispanics were included with whites and it was not possible to accurately calculate Hispanic-specific rates of natality.

REPEAT

See Caesarean Section.

RESIDENT BIRTH

The birth of an infant whose mother reports that her usual place of residence is in Massachusetts. In Massachusetts, a resident is a person with a permanent address in one of the 351 cities or towns. Vital statistics data may be presented in terms either of residence or occurrence. Unless otherwise noted, all data in this publication are resident data. Resident data include all events that occur to residents of the Commonwealth, wherever they occur. Occurrence data include all events that occur within the state, whether to residents or non-residents. There is an exchange agreement among the 50 states, Canada, Puerto Rico, Guam, the Virgin Islands, and the District of Columbia that provides for exchange of copies of birth and death records. These records are used for statistical purposes only, and allow each state or province to track the births and deaths of its residents.

VERY LOW BIRTHWEIGHT (VLBW)

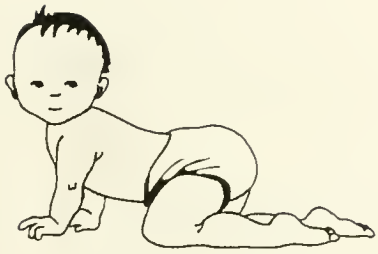
See Birthweight Categories.

RATES IMPORTANT FOR THIS SECTION INCLUDE:

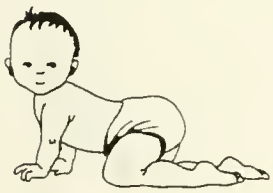
AGE-SPECIFIC BIRTH RATE	$\frac{\text{No. of Resident Live Births for a Specific Age Group of Mothers}}{\text{Total Female Population of That Specific Age Group}} \times 1{,}000$
CRUDE BIRTH RATE	$\frac{\text{No. of Resident Live Births}}{\text{Total Resident Population}} \times 1{,}000$
GENERAL FERTILITY RATE	$\frac{\text{No. of Resident Live Births}}{\text{Total Female Population of Childbearing Age (15-44)}} \times 1{,}000$

Figure B-1

Everyday in 1995, residents of Massachusetts experienced an average of:



223 Births



47 Births by Caesarean Section

38 Births to women aged 35 or older

35 Births with less than adequate prenatal care

16 Births to women aged 15 through 19

14 Births weighing less than 2500 grams or 5 lbs. 8 oz. (low birthweight)

Table B-1. Trends in Birth Characteristics, Massachusetts: 1980, 1985, 1990-1995

Year		1980	1985	1990	1991	1992	1993	1994	1995
Births [1]	#[2]	72,591	81,781	92,461	88,176	87,202	84,627	83,758	81,562
	Rate[3]	53.4	57.5	62.1	59.5	59.2	57.7	57.4	56.2
Race of Mother									
White [4]	#	66,220	71,854	80,775	76,983	76,052	73,704	72,980	71,083
	%	91.2	87.9	87.4	87.3	87.2	87.1	87.1	87.2
Black	#	4,626	5,099	7,729	7,352	7,203	6,916	6,713	6,299
	%	6.4	6.2	8.3	8.3	8.3	8.2	8.0	7.7
Asian/Other [5]	#	1,069	1,741	3,688	3,566	3,582	3,664	3,790	3,817
	%	1.5	2.1	4.0	4.0	4.1	4.3	4.5	4.7
Unknown	#	676	3,087	269	275	365	343	275	363
	%	0.9	3.8	0.3	0.3	0.4	0.4	0.3	0.4
Teenage Births (Ages 15-19)	#	7,694	6,859	7,258	6,892	6,555	6,469	6,412	5,990
	Rate[6]	28.1	28.7	35.4	33.4	31.8	31.5	31.2	29.2
Births to Unmarried Mothers	#	11,356	15,044	22,837	22,852	22,612	22,345	22,302	20,857
	%	15.6	18.4	24.7	25.9	25.9	26.4	26.6	25.6
Low Birthweight	#	4,413	4,751	5,388	5,199	5,137	5,202	5,335	5,174
	%	6.1	5.8	5.8	5.9	5.9	6.1	6.4	6.3
Adequate Prenatal Care	%[7]	82.0	79.4	80.1	81.6	82.9	83.8	84.3	84.2
	%	79.6	78.6	78.8	81.2	82.7	83.6	84.1	83.6

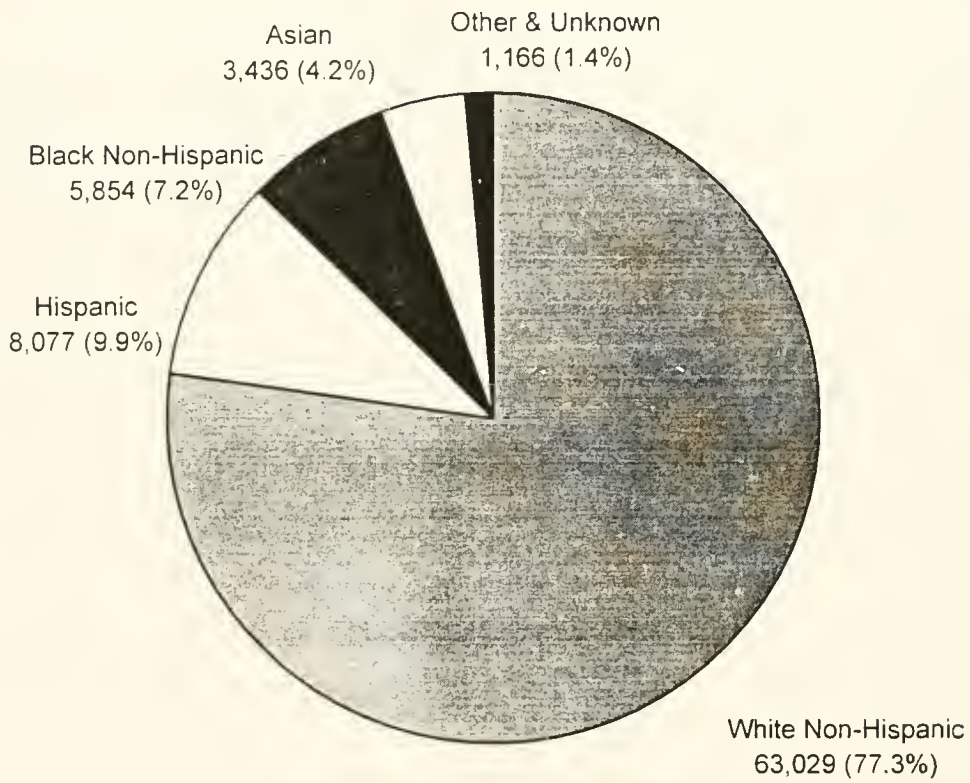
[1] Births presented in all tables are resident live births unless otherwise specified [2] Differences in numbers of births from previous publications are the result of updated files [3] Rate equals total births to women 15-44 per 1,000 women aged 15-44 Differences in rates from previous publications are the result of modifications of population estimates [4] On tables and graphs which include data prior to June 1986, the race classifications do not include an ethnicity component, most Hispanics are included in the race category of white [5] Other races include American Indian, Hawaiian, and Other. [6] Rate per 1,000 females aged 15-19 [7] Percentages in upper row are based on births with known scores of adequacy of prenatal care, bottom row percentages are based on total numbers of births. In subsequent tables and figures, percentage with adequate prenatal care is computed only on births with known adequacy scores The Adequacy of Prenatal Care Index is defined in the Glossary

Table B-2. Birth Characteristics by Race and Ethnicity, Massachusetts, 1995

Race and Ethnicity	Births[1]		Teen Births				Birthweight				Prenatal Care							
			<18 Years		<20 Years		Very Low[2]		Low[3]		Adequate		1st Trimester		Cesarean Section		Breast Feeding[4]	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
State Total	81,562	100.0	2,397	2.9	6,107	7.5	964	1.2	5,174	6.3	68,197	84.2	72,567	89.3	16,758	20.7	53,014	66.4
White Non-Hispanic	63,029	77.3	1,040	1.7	3,209	5.1	603	1.0	3,579	5.7	54,846	87.5	57,938	92.1	13,306	21.2	40,646	66.0
Black non-Hispanic	5,854	7.2	404	6.9	865	14.8	185	3.2	684	11.7	4,104	70.8	4,559	78.2	1,265	21.7	3,838	66.1
Haitian	953	1.2	21	2.2	50	5.2	35	3.7	101	10.6	689	73.4	775	81.6	236	24.8	811	85.4
Other West Indian	558	0.7	14	2.5	51	9.1	16	2.9	57	10.2	423	77.3	464	83.6	115	20.6	470	84.2
American	3,047	3.7	308	10.1	613	20.1	87	2.9	376	12.3	2,070	68.3	2,316	76.2	619	20.4	1,639	54.0
Other Black	1,296	1.6	61	4.7	151	11.7	47	3.6	150	11.6	922	72.1	1,004	78.2	295	22.9	918	72.7
Hispanic	8,077	9.9	826	10.2	1,727	21.4	124	1.5	597	7.4	5,758	71.8	6,331	78.7	1,453	18.1	5,645	70.1
Puerto Rican	4,059	5.0	634	15.6	1,267	31.2	69	1.7	369	9.1	2,759	68.6	3,057	75.7	615	15.3	2,233	55.2
Dominican	1,385	1.7	90	6.5	204	14.7	20	1.4	82	5.9	982	71.6	1,126	81.5	316	22.9	1,173	84.8
Central American	1,022	1.3	46	4.5	112	11.0	9	0.9	54	5.3	698	68.5	753	73.8	169	16.6	866	85.0
South American	782	1.0	13	1.7	35	4.5	5	0.6	32	4.1	650	83.2	690	88.3	207	26.5	700	89.6
Other Hisp	829	1.0	43	5.2	109	13.1	21	2.5	60	7.2	669	81.1	705	85.2	146	17.7	673	81.2
Asian	3,436	4.2	75	2.2	163	4.7	28	0.8	232	6.8	2,689	78.7	2,862	83.5	528	15.4	2,150	63.1
Chinese	1,045	1.3	2	--[5]	6	0.6	4	--	53	5.1	904	86.8	939	89.9	165	15.8	745	71.6
Vietnamese	615	0.8	19	3.1	49	8.0	12	2.0	52	8.5	436	71.1	481	78.2	91	14.8	199	32.5
Cambodian	484	0.6	33	6.8	60	12.4	4	--	49	10.1	284	58.8	308	63.8	47	9.7	132	27.3
Other S.E. Asian	154	0.2	11	7.1	24	15.6	3	--	11	7.1	124	80.5	127	82.5	16	10.4	75	48.7
Other Asian	1,138	1.4	10	0.9	24	2.1	5	0.4	67	5.9	941	83.6	1,007	89.0	209	18.4	999	89.4
Other[6]	972	1.2	51	5.2	134	13.8	16	1.6	66	6.8	725	75.2	792	81.6	183	18.9	670	69.6
Unknown[7]	194	0.2	1	--	9	4.6	8	4.1	16	8.2	75	72.1	85	77.3	23	17.2	65	81.3

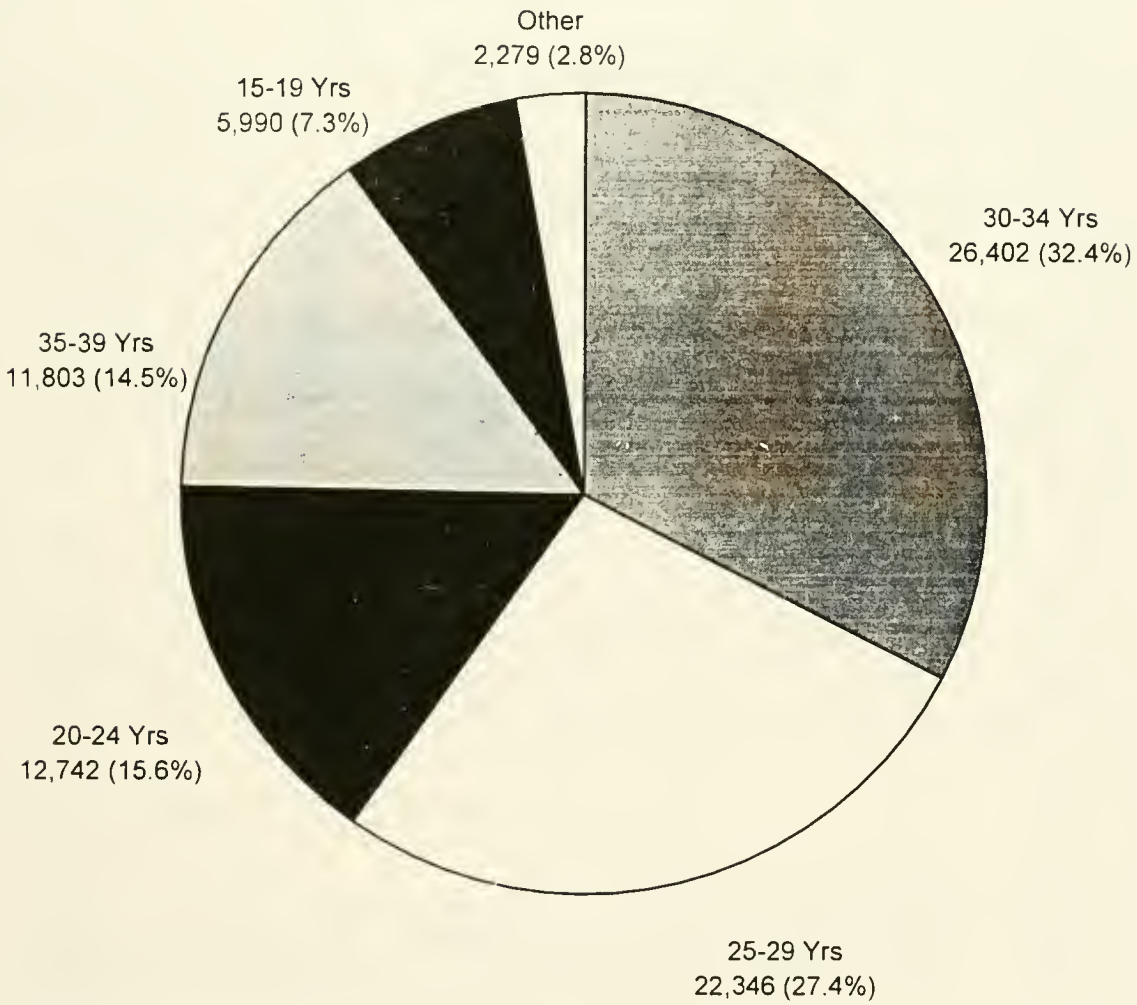
[1] In the first category, "Births", percentages are based on column totals. For all other categories, percentages are based on row totals. For Prenatal Care, Cesarean Section, and Breast feeding variables, percentages are calculated only for cases where information is known. [2] Very low birthweight < 1,500 grams or 3.3 pounds. [3] Low birthweight < 2,500 grams or 5.5 pounds. [4] Mother was breastfeeding or was intending to breast feed at the time the birth certificate was completed. [5] Calculations based on fewer than five events are excluded. [6] Other. Mothers who designated themselves as Other race. [7] Unknown. Mothers who did not indicate a race/ethnicity.

Figure B-2. Resident Live Births by Mother's Race/Ethnicity: 1995



Total number of births = 81,562

Figure B-3. Resident Live Births by Mother's Age: 1995



Total number of births = 81,562

Table B-3A. Resident Birth Characteristics: 30 Largest Municipalities, Massachusetts: 1995 [1,2]

Municipality	Rank	Population	Crude Birth rate[3]	Mother's Race and Ethnicity				Very Low Birthweight (<1500 gms.)	Low Birthweight (<2500 gms.)
				White Non-Hispanic	Black Non-Hispanic	Hispanic	Asian or Other[4]		
				%	%	%	%	%	%
STATE TOTAL		6,127,719	13.3	77.3	7.2	9.9	5.4	1.2	6.3
ARLINGTON	28	43,587	13.2	87.0	1.6	2.6	8.0	1.0	4.7
BARNSTABLE	26	44,671	10.5	88.9	3.8	2.6	4.5	--[5]	4.7
BOSTON	1	594,000	13.5	34.5	35.6	20.5	9.1	2.0	8.7
BROCKTON	8	89,329	15.8	55.9	21.6	9.5	12.9	1.0	8.2
BROOKLINE	21	52,668	11.4	74.5	3.8	4.7	16.8	--	6.3
CAMBRIDGE	6	94,115	10.3	55.0	19.6	10.3	14.7	1.0	7.0
CHICOPEE	16	57,496	10.9	87.7	2.2	8.9	1.1	1.8	7.6
FALL RIVER	7	89,393	13.2	92.1	2.0	2.3	3.5	0.9	7.0
FRAMINGHAM	13	66,994	14.3	69.7	4.2	20.4	5.5	1.2	6.4
HAVERHILL	20	53,046	16.3	85.2	2.7	10.0	2.0	1.9	5.8
HOLYOKE	30	40,601	16.8	33.8	2.6	61.8	1.8	1.0	9.8
LAWRENCE	14	64,196	20.2	28.0	1.8	65.9	4.0	1.8	6.7
LOWELL	4	100,999	17.2	55.8	3.6	19.3	21.4	1.4	7.4
LYNN	11	78,179	16.4	49.5	13.1	26.3	11.0	1.6	8.0
MALDEN	19	53,532	14.6	62.9	12.1	6.4	18.5	1.4	9.6
MEDFORD	18	56,232	11.5	81.1	9.0	3.9	5.9	--	5.4
METHUEN	29	41,753	13.8	79.0	0.9	15.4	4.5	1.4	6.3
NEW BEDFORD	5	96,273	12.8	74.3	6.0	11.8	7.7	1.5	7.2
NEWTON	10	83,419	9.8	85.1	2.1	3.3	9.4	--	5.3
PEABODY	23	47,644	12.6	90.2	1.5	6.3	2.0	1.8	7.0
PITTSFIELD	24	46,694	12.6	90.1	3.7	2.0	3.9	1.4	7.5
PLYMOUTH	25	45,629	14.8	94.2	1.5	1.2	2.8	--	4.6
QUINCY	9	86,909	12.5	75.3	3.9	4.2	16.4	1.1	6.3
REVERE	27	44,125	14.0	70.3	5.3	13.6	10.4	--	5.9
SOMERVILLE	12	70,536	14.0	54.8	14.5	21.8	8.3	2.0	6.6
SPRINGFIELD	3	150,000	15.5	41.7	23.8	31.6	3.0	1.6	7.8
TAUNTON	22	49,051	16.1	89.6	3.4	4.8	1.9	--	6.1
WALTHAM	15	58,502	13.3	66.2	8.5	14.5	10.1	2.2	8.9
WEYMOUTH	17	57,053	13.7	92.9	2.3	1.9	2.4	1.4	4.6
WORCESTER	2	164,000	14.5	62.4	8.1	21.9	7.3	1.4	7.2

Table B-3A. (cont'd) Birth Characteristics: 30 Largest Municipalities, Massachusetts: 1995

Municipality	Births					Death Rates[6]	
	Adequate Prenatal Care[7]	Public Payment for Prenatal Care	Unmarried	Teen Mothers 15 to 19 years		Infant <1 year	Neonatal <28 days
	%	%	%	#	Rate[8]		
STATE TOTAL	84.2	25.8	25.6	5,990	29.2	5.1	3.7
ARLINGTON	88.8	5.6	5.0	3	--	--	--
BARNSTABLE	80.6	28.0	23.1	23	19.7	--	0.0
BOSTON	79.5	47.4	46.9	880	41.1	6.7	5.5
BROCKTON	66.4	47.5	47.2	183	56.0	--	0.0
BROOKLINE	93.0	8.0	6.3	6	6.1	--	--
CAMBRIDGE	84.8	23.5	25.6	37	13.6	--	--
CHICOPEE	81.6	38.5	35.7	59	31.7	--	--
FALL RIVER	79.5	43.8	40.4	169	53.3	5.9	--
FRAMINGHAM	92.9	25.8	22.8	51	23.0	--	--
HAVERHILL	80.2	28.7	28.9	88	49.9	9.3	--
HOLYOKE	69.5	66.5	62.3	170	117.8	--	0.0
LAWRENCE	54.3	63.9	59.2	286	110.6	6.2	4.6
LOWELL	77.7	50.8	47.2	298	75.5	5.8	--
LYNN	77.0	49.8	49.4	175	72.3	7.8	6.2
MALDEN	84.0	27.9	22.7	29	20.8	8.9	--
MEDFORD	85.8	16.4	15.0	16	8.8	--	--
METHUEN	71.3	21.1	28.4	49	36.7	--	--
NEW BEDFORD	75.7	52.9	47.1	203	59.8	8.9	7.3
NEWTON	93.1	6.1	4.6	6	1.9	--	--
PEABODY	92.5	13.1	15.5	18	12.7	8.3	--
PITTSFIELD	78.5	31.0	33.7	68	44.7	--	--
PLYMOUTH	84.0	18.5	23.0	42	27.9	--	--
QUINCY	87.0	21.8	19.8	44	19.5	--	--
REVERE	82.2	38.2	35.7	44	41.9	--	--
SOMERVILLE	82.6	37.6	28.1	57	28.8	8.1	6.1
SPRINGFIELD	69.5	55.4	55.3	448	77.2	7.7	5.6
TAUNTON	81.5	25.5	30.3	85	53.1	--	--
WALTHAM	88.9	23.2	23.1	41	18.6	--	--
WEYMOUTH	90.2	12.6	15.2	39	22.7	--	--
WORCESTER	85.9	43.6	44.4	349	54.1	8.8	7.6

[1] The 30 largest municipalities are the cities and towns in Massachusetts with the largest population according to 1995 population estimates [2] Does not include responses of "unknown" or "refused" in calculations. [3] Births per 1,000 residents [4] Mothers who designated themselves as Asian or Other [5] Calculations based on fewer than 5 events are excluded [6] Deaths per 1,000 live births. [7] Calculations based on births with known adequacy scores [8] Births per 1,000 female residents ages 15 to 19.

Table B-3B. Resident Birth Characteristics: Community Health Network Areas (CHNAs), Massachusetts: 1995

CHNA	Population	Crude Birth Rate[1]	Mother's Race and Ethnicity: White non-Hispanic	Black non-Hispanic	Hispanic	Asian or Other[2]	Very Low Birthweight (<1500 gms)	Low Birthweight (<2500 gms)
		Rate	%	%	%	%	%	%
STATE TOTAL	6,127,719	13.3	77.3	7.2	9.9	5.4	1.2	6.3
Pittsfield	139,396	10.7	93.5	1.9	1.6	2.7	1.1	6.8
Greenfield	88,069	10.4	94.6	0.4	3.1	1.6	0.9	6.2
Holyoke/Chicopee/ Northampton	283,361	10.7	77.1	2.0	18.3	2.5	1.0	6.9
Springfield	305,948	13.4	64.1	13.9	19.6	2.4	1.4	6.7
Southbridge	121,845	12.2	91.6	0.4	6.5	1.4	1.3	8.3
Milford	180,771	16.2	96.1	0.6	1.6	1.4	1.1	5.4
Framingham/ Marlborough	291,688	15.1	85.9	1.7	7.6	4.4	0.8	5.3
Worcester	267,668	14.2	73.8	5.4	14.4	6.1	1.3	6.4
Fitchburg/Gardner	249,539	12.7	86.2	2.1	8.8	2.7	1.3	5.9
Lowell	261,554	15.8	78.3	2.0	8.7	11.1	1.0	5.8
Lawrence	164,654	16.0	58.3	1.3	36.5	3.8	1.5	6.2
Haverhill	133,860	14.7	92.2	1.3	5.1	1.2	1.1	5.5
Beverly/Gloucester	114,377	12.3	95.2	0.7	1.8	2.1	1.2	6.5
Lynn/Salem	252,217	13.7	75.5	5.7	13.5	5.1	1.6	7.2
Woburn	328,072	13.1	92.5	0.9	1.6	4.8	0.8	4.7
Medford/Malden	233,922	14.4	63.7	8.6	17.4	10.2	1.2	7.2
Cambridge/Somerville	265,272	12.1	67.0	11.0	11.1	10.4	1.3	6.2
Newton/Waltham	302,888	11.8	82.4	3.3	5.3	8.7	0.9	6.5
City of Boston	594,000	13.5	34.5	35.6	20.5	9.1	2.0	8.7
Quincy	297,008	12.5	83.4	5.8	2.5	7.9	1.2	5.9
Attleboro	134,271	17.7	93.8	1.3	1.8	2.7	0.8	5.2
Brockton	208,755	14.3	76.3	11.6	5.0	6.9	0.9	6.4
Plymouth	229,887	14.5	96.6	0.7	0.8	1.6	0.5	4.6
Taunton	119,684	13.7	93.4	1.9	2.7	1.8	0.7	6.0
Fall River	137,202	11.7	94.0	1.4	1.7	2.7	1.1	7.2
New Bedford	195,024	11.1	82.6	4.0	7.1	6.2	1.2	6.6
Cape/Islands	226,787	10.1	91.7	2.3	2.3	3.1	1.1	5.4

Table B-3B. (cont'd) Resident Birth Characteristics: Community Health Networks, Massachusetts: 1995

CHNA	Births			Deaths[3]			
	Adequate Prenatal Care	Public Payment for Prenatal Care	Unmarried[1]	Teen Mothers		Infant	Neonatal
				15-19 years		<1 year	<28 days
	%[4]	%	%	#	Rate[5]	Rate	Rate
STATE TOTAL	84.2	25.8	25.6	5,990	29.2	5.1	3.7
Pittsfield	83.2	29.2	28.6	146	31.0	4.0	4.0
Greenfield	86.2	30.6	27.2	85	33.2	7.7	5.5
Holyoke/Chicopee/ Northampton	81.9	35.4	34.4	370	29.8	4.6	3.6
Springfield	76.3	39.9	39.9	555	49.2	6.8	4.6
Southbridge	87.5	26.2	25.8	151	36.8	6.0	4.0
Milford	91.8	9.3	11.2	102	16.9	4.8	2.7
Framingham/ Marlborough	93.0	12.8	12.5	140	15.5	2.9	2.7
Worcester	88.8	30.2	31.9	394	40.4	6.8	5.8
Fitchburg/Gardner	85.3	23.6	23.6	276	31.9	5.4	4.1
Lowell	84.2	26.8	26.4	359	37.0	4.6	2.9
Lawrence	66.3	37.7	37.5	351	58.2	5.7	3.8
Haverhill	84.8	19.5	19.4	122	29.1	5.6	3.1
Beverly/Gloucester	88.4	18.0	14.3	56	15.5	9.2	7.8
Lynn/Salem	86.1	28.0	29.1	255	34.6	6.7	4.9
Woburn	86.2	8.3	7.5	53	5.4	3.0	2.6
Medford/Malden	81.4	34.6	30.6	204	31.3	7.1	3.6
Cambridge/Somerville	86.4	21.3	18.4	105	15.6	5.6	3.4
Newton/Waltham	91.8	9.1	8.9	69	6.6	3.1	2.0
City of Boston	79.5	47.4	46.9	880	41.1	6.7	5.5
Quincy	88.6	15.3	16.1	135	15.5	5.7	4.6
Attleboro	85.0	12.0	13.4	92	19.7	2.1	--[6]
Brockton	75.6	29.9	30.6	242	30.5	3.0	--
Plymouth	89.9	11.5	13.8	122	15.4	3.3	2.1
Taunton	83.0	18.9	23.0	128	31.9	--	--
Fall River	82.0	36.6	35.6	200	42.1	5.6	3.7
New Bedford	80.5	38.6	37.7	280	40.5	6.4	5.1
Cape/Islands	80.3	25.9	22.4	118	21.5	5.2	3.5

[1] Births per 1,000 residents [2] Mothers who designated themselves as Asian or Other [3] Deaths per 1,000 live births [4] Calculations based on births with known adequacy scores [5] Births per 1,000 female residents ages 15 to 19 [6] Calculations based on fewer than 5 events are excluded

Note: CHNA tables in this publication use the original CHNA defintions. New CHNA defintions will be incorporated into future publications.

Table B-4. Age-Specific and Crude Birth Rates, Massachusetts: 1994 and 1995

Mother's Age	1994		1995		Percent Change in Rate
	Births[1]	Rate[2]	Births	Rate	
Under 15[3]	155	1.4	117	1.1	-21.4
15-19	6,412	31.2	5,990	29.2	-6.4
20-24	13,849	59.2	12,742	56.0	-5.4
25-29	24,068	95.4	22,346	91.0	-4.6
30-34	26,168	99.4	26,402	101.3	+1.9
35-39	11,249	43.8	11,803	45.4	+3.6
40-44	1,797	7.4	2,063	8.3	+12.2
45+[4]	60	--	97	--	--
Birth rate, ages 15-44[5]	83,543	57.4	81,346	56.2	-2.1
Crude Birth Rate[6]	83,758	13.7	81,562	13.3	-2.9

[1] Differences in the number of births from previous publications are the result of updating of files. The number of births for all age groups does not always add to the total number of births as mother's age is sometimes not known. 2 Population numbers used to calculate rates are listed in Appendix, page 74. [3] Denominator is females aged 12 to 14 [4] Rates are not calculated for age groups with less than 100 births [5] Rate is Births per 1,000 females aged 15-44 [6] Births per 1,000 residents (females and males)

Figure B-4. Trends in Birth Rates for Women Under Age 30 and Ages 30-44, Massachusetts: 1987-1995

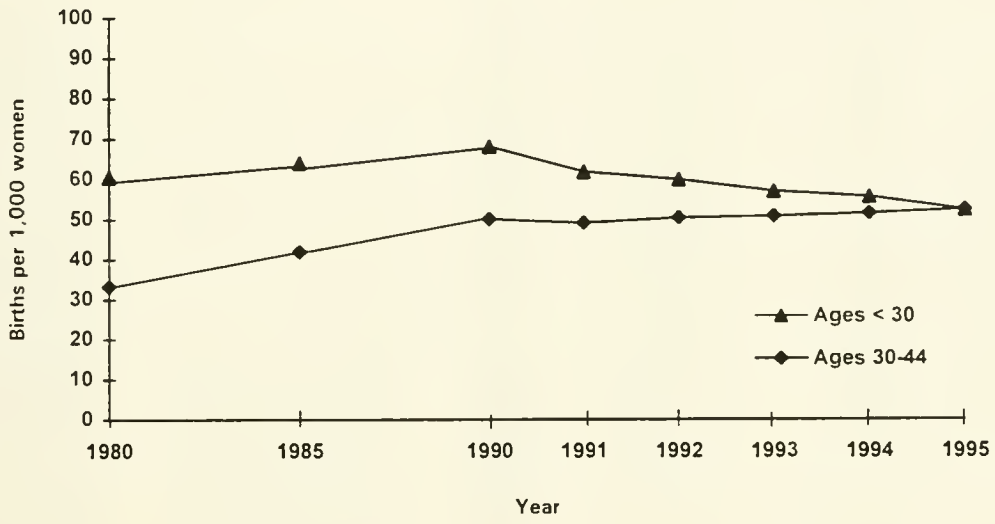


Table B-5. Parity by Age of Mother, Massachusetts: 1995[1]

Age of Mother		Total Births	1st	2nd	3rd	4th	5th+
STATE TOTAL	#[2]	81,562	35,095	27,396	12,374	4,155	2,230
	%[3]	100	43.0	33.6	15.2	5.1	2.7
10-14	#	117	114	3	0	0	0
	%	100.0	97.4	--[4]	0.0	0.0	0.0
15-19	#	5,990	4,882	898	174	16	4
	%	100.0	81.5	15.0	2.9	0.3	--
20-24	#	12,742	6,780	3,931	1,404	437	145
	%	100.0	53.2	30.9	11.0	3.4	1.1
25-29	#	22,346	10,464	7,359	3,002	968	480
	%	100.0	46.8	32.9	13.4	4.3	2.1
30-34	#	26,402	9,143	10,194	4,737	1,469	755
	%	100.0	34.6	38.6	17.9	5.6	2.9
35-39	#	11,803	3,149	4,283	2,616	1,058	635
	%	100.0	26.7	36.3	22.2	9.0	5.4
40-44	#	2,063	528	697	426	202	199
	%	100.0	25.6	33.8	20.6	9.8	9.6
45+	#	97	35	30	15	5	12
	%	100.0	35.4	31.3	15.2	5.1	12.1

[1] The number of live births including this birth [2] Totals include births of unknown parity and unknown age [3] Percents may not sum to 100 0 due to rounding [4] Calculations based on fewer than five events are excluded.

Table B-6. Resident Births By Mother's Age, Marital Status and Race/Ethnicity, Massachusetts: 1995

Age of Mother	Marital Status	Total	White Non-Hispanic	Black Non-Hispanic	Hispanic	Asian	Other	Unknown
Grand Total		81,562	63,029	5,854	8,077	3,436	972	194
Total Married		60,705	51,707	2,287	3,272	2,755	540	144
Total Unmarried		20,857	11,322	3,567	4,805	681	432	50
< 15	Total	117	34	29	45	6	3	0
	Married	2	0	0	2	0	0	0
	Unmarried	115	34	29	43	6	3	0
15	Total	356	129	60	148	13	6	0
	Married	8	0	0	7	0	1	0
	Unmarried	348	129	60	141	13	5	0
16	Total	721	314	121	248	26	12	0
	Married	31	14	1	15	1	0	0
	Unmarried	690	300	120	233	25	12	0
17	Total	1,203	563	194	385	30	30	1
	Married	79	28	2	46	2	1	0
	Unmarried	1,124	535	192	339	28	29	1
18	Total	1,648	950	208	409	37	40	4
	Married	173	102	9	51	5	6	0
	Unmarried	1,475	848	199	358	32	34	4
19	Total	2,062	1,219	253	492	51	43	4
	Married	327	209	15	87	6	10	0
	Unmarried	1,735	1,010	238	405	45	33	4
20-24	Total	12,742	8,178	1,403	2,413	487	242	19
	Married	5,542	4,113	282	792	262	84	9
	Unmarried	7,200	4,065	1,121	1,621	225	158	10
25-29	Total	22,346	17,530	1,474	1,996	1,053	258	35
	Married	18,036	15,218	674	1,068	877	170	29
	Unmarried	4,310	2,312	800	928	176	88	6
30-34	Total	26,402	22,302	1,309	1,354	1,145	222	70
	Married	23,934	20,991	804	838	1,067	176	58
	Unmarried	2,468	1,311	505	516	78	46	12
35-39	Total	11,803	10,021	660	489	492	94	47
	Married	10,664	9,392	405	307	448	77	35
	Unmarried	1,139	629	255	182	44	17	12
40-44	Total	2,063	1,704	139	93	93	21	13
	Married	1,817	1,557	93	56	84	14	13
	Unmarried	246	147	46	37	9	7	0
≥ 45	Total	97	84	4	5	3	1	0
	Married	91	82	2	3	3	1	0
	Unmarried	6	2	2	2	0	0	0
Unknown	Total	2	1	0	0	0	0	1
	Married	1	1	0	0	0	0	0
	Unmarried	1	0	0	0	0	0	1

Table B-7. Resident Births to Teenage Mothers: 1970-1995

Year	Total Births	Age of Mother 12	13	14	15	16	17	18	19	Total 12-19	% of Total Births
1970	93,582	3	8	70	320	802	1,726	3,043	4,285	10,257	11.0
1971	86,755	3	23	84	313	875	1,738	2,981	4,000	10,017	11.5
1972	76,835	1	20	103	348	955	1,841	2,834	3,690	9,792	12.7
1973	72,237	0	12	93	393	959	1,759	2,584	3,282	9,082	12.6
1974	70,071	2	16	79	333	895	1,762	2,524	3,181	8,792	12.5
1975	68,070	2	18	84	325	915	1,678	2,560	3,085	8,667	12.7
1976	65,947	7	12	96	336	807	1,478	2,332	2,923	7,991	12.1
1977	67,838	1	18	68	270	792	1,477	2,293	2,913	7,832	11.5
1978	68,526	3	15	67	303	737	1,445	2,252	2,979	7,801	11.4
1979	70,568	2	9	70	283	773	1,413	2,306	2,916	7,772	11.0
1980	72,591	1	14	56	300	740	1,360	2,202	3,092	7,765	10.7
1981	73,931	1	12	82	275	722	1,357	2,164	2,816	7,429	10.0
1982	75,749	1	14	83	299	753	1,328	2,161	2,722	7,361	9.7
1983	76,031	0	8	78	255	726	1,278	2,053	2,521	6,919	9.1
1984	78,198	1	8	75	265	714	1,307	2,061	2,585	7,016	9.0
1985	81,776	4	12	97	295	698	1,283	1,986	2,595	6,970	8.5
1986	82,163	0	15	82	334	712	1,233	1,954	2,521	6,851	8.3
1987	84,343	2	15	79	327	796	1,337	1,965	2,498	7,019	8.3
1988	88,047	0	27	120	352	732	1,450	2,068	2,511	7,260	8.2
1989	91,314	0	19	108	345	853	1,426	2,207	2,776	7,734	8.5
1990	92,461	3	18	103	351	810	1,344	2,014	2,739	7,382	8.0
1991	88,176	2	18	102	372	758	1,391	1,910	2,461	7,014	7.9
1992	87,202	3	14	103	341	782	1,327	1,753	2,352	6,675	7.6
1993	84,627	1	15	121	360	741	1,259	1,872	2,237	6,606	7.8
1994	83,758	3	21	131	371	822	1,244	1,758	2,217	6,567	7.8
1995	81,562	1	18	98	356	721	1,203	1,648	2,062	6,107	7.5

Table B-8. Births by Birthweight, Race, and Hispanic Ethnicity, Massachusetts: 1995

Birthweight	Total		White non-Hispanic		Black non-Hispanic		Hispanic		Asian		Other		Unknown	
	#	%[1]	#	%	#	%	#	%	#	%	#	%	#	%
STATE TOTAL	81,562	100.0	63,029	100.0	5,854	100.0	8,077	100.0	3,436	100.0	972	100.0	194	100.0
<500	95	0.1	52	0.1	24	0.4	17	0.2	0	0.0	0	0.0	2	--[2]
500-999	368	0.5	205	0.3	82	1.4	57	0.7	13	0.4	6	0.6	5	2.6
1000-1499	501	0.6	346	0.5	79	1.3	50	0.6	15	0.4	10	1.0	1	--
VLBW[3] (<1500)	964	1.2	603	1.0	185	3.2	124	1.5	28	0.8	16	1.6	8	4.1
1500-1999	1,041	1.3	748	1.2	143	2.4	107	1.3	33	1.0	9	0.9	1	--
2000-2499	3,169	3.9	2,228	3.5	356	6.1	366	4.5	171	5.0	41	4.2	7	3.6
LBW[4] (<2500)	5,174	6.3	3,579	5.7	684	11.7	597	7.4	232	6.8	66	6.8	16	8.2
2500-2999	11,789	14.5	8,161	12.9	1,191	20.3	1,465	18.1	782	22.8	176	18.1	14	7.2
3000-3499	28,854	35.4	21,602	34.3	2,219	37.9	3,162	39.1	1,453	42.3	390	40.1	28	14.4
3500-3999	25,462	31.2	20,902	33.2	1,306	22.3	2,170	26.9	785	22.8	264	27.2	35	18.0
4000-4499	8,487	10.4	7,308	11.6	380	6.5	566	7.0	159	4.6	62	6.4	12	6.2
4500-4999	1,487	1.8	1,304	2.1	54	0.9	92	1.1	18	0.5	14	1.4	5	2.6
>=5000	150	0.2	128	0.2	11	0.2	9	0.1	2	--	0	0.0	0	0.0
Unknown	159	0.2	45	0.1	9	0.2	16	0 2	5	0.1	0	0.0	84	43.3

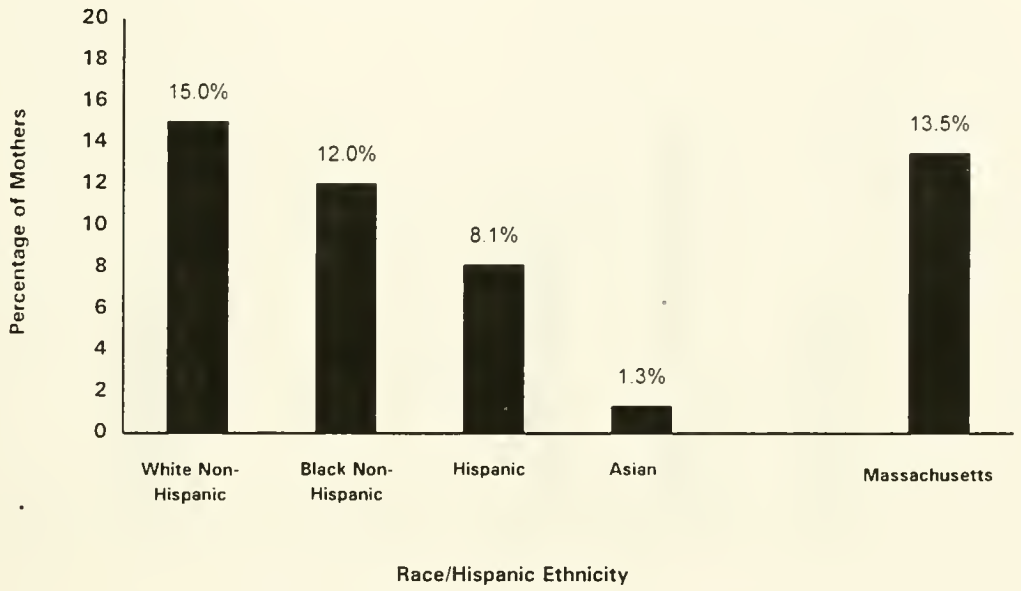
[1] Percentages are based on column totals. [2] Calculations based on fewer than five events are excluded [3] VLBW Very Low Birthweight [4] LBW Low Birthweight

Table B-9. Low Birthweight[1] by Age, Race, and Hispanic Ethnicity, Massachusetts: 1995

Mother's Age	Total LBW Infants		White non-Hispanic		Black non-Hispanic		Hispanic		Asian		Other		Unknown	
	#[2]	%[3]	#	%	#	%	#	%	#	%	#	%	#	%
STATE	5,174	6.3	3,579	5.7	684	11.7	597	7.4	232	6.8	66	6.8	16	8.3
<18	233	9.7	84	8.1	45	11.1	80	9.7	20	26.7	4	--[4]	0	0.0
18-19	294	7.9	147	6.8	41	8.9	92	10.2	10	11.4	4	--	0	0.0
20-24	826	6.5	458	5.6	157	11.2	157	6.5	40	8.2	12	5.0	2	--
25-29	1,281	5.7	901	5.1	162	11.0	128	6.4	64	6.1	22	8.5	4	--
30-34	1,540	5.8	1,213	5.4	150	11.5	98	7.2	60	5.2	13	5.9	6	8.6
35-39	788	6.7	617	6.2	96	14.5	31	6.3	31	6.3	10	10.6	3	--
40+	211	9.8	158	8.8	33	23.1	11	11.2	7	7.3	1	--	1	--

[1] Low Birthweight An infant weighing < 2,500 grams or 5 5 pounds at birth [2] Column subgroups do not equal total because there were birth certificates that did not include mother's age [3] Percentages are based upon the number of low birthweight infants divided by the total births in each age and race/ethnicity category [4] Calculations based on fewer than five events are excluded NOTE The relationship between mother's age and low birthweight is influenced by other factors, such as nutrition, education and prenatal care For example, mothers under the age of 18 also have a lower percentage of adequate prenatal care

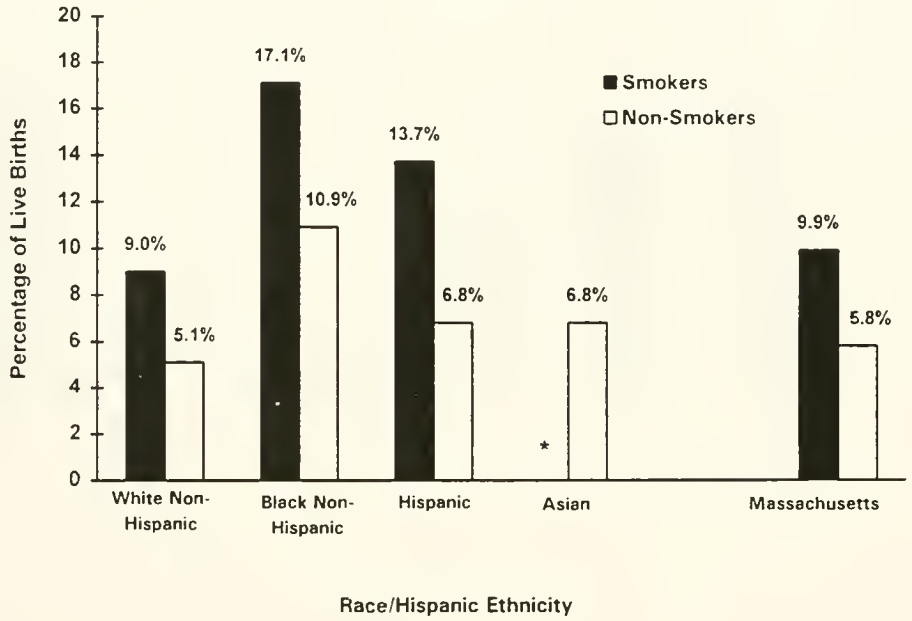
Figure B-5. Smoking Prevalence[1,2] During Pregnancy by Race and Hispanic Ethnicity, Massachusetts: 1995



[1] Based on information provided on the birth certificate by mother. Mothers who have more than one delivery are counted for each birth.

[2] In 1995, two hospitals reported maternal smoking rates of less than 5% (Brigham and Women's (3.0%) and Newton-Wellesley (4.2%)). Maternal smoking is self-reported by mothers, usually following the birth of their child, and these data should be interpreted cautiously.

Figure B-6. Low Birthweight[1,2,3] among Smoking and Nonsmoking Mothers by Race and Hispanic Ethnicity, Massachusetts: 1995



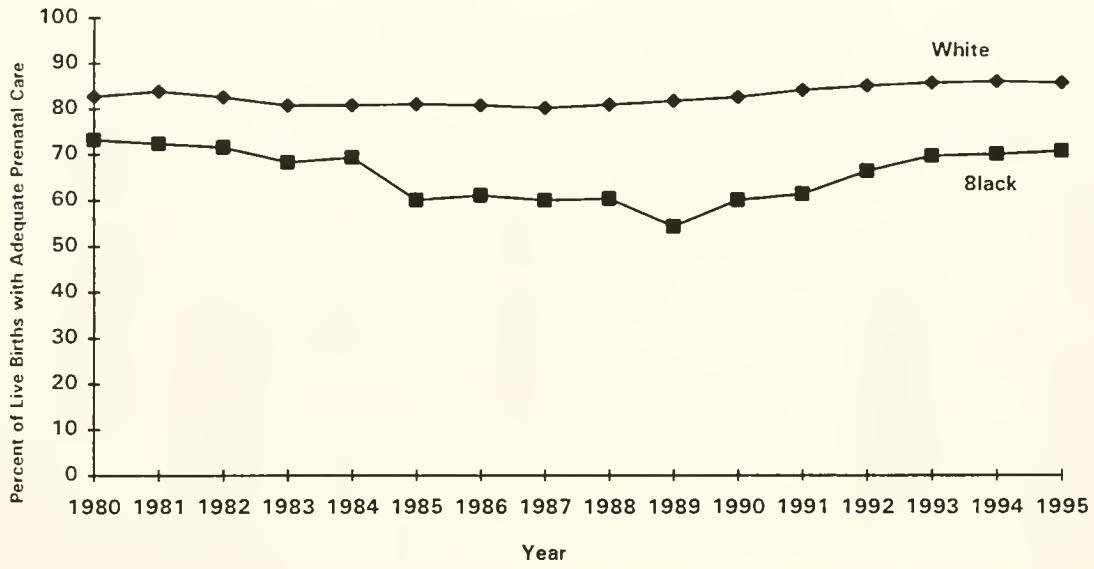
[1] Low Birthweight = less than 2,500 grams or 5.5 pounds.
[2] Based on information provided on the birth certificate by mother.
[3] In 1995, two hospitals reported smoking rates of less than 5% (Brigham and Women's (3.0%) and Newton-Wellesley (4.2%)). Maternal smoking is self-reported by mothers, usually following the birth of their child, and these data should be interpreted cautiously.
* Less than 5 events.

Table B-10. Births by Gestational Age[1], Race, and Hispanic Ethnicity, Massachusetts: 1995

Gestational Age (weeks completed)	Total		White non-Hispanic		Black non-Hispanic		Hispanic		Asian		Other		Unknown	
	#	%[2]	#	%	#	%	#	%	#	%	#	%	#	%
STATE TOTAL	81,562	100.0	63,029	100.0	5,854	100.0	8,077	100.0	3,436	100.0	972	100.0	194	100.0
<20	17	0.0	8	0.0	7	0.1	2	--[3]	0	0.0	0	0.0	0	0.0
20-23	126	0.2	60	0.1	34	0.6	20	0.2	3	--	5	0.5	4	--
24-27	288	0.4	168	0.3	59	1.0	46	0.6	10	0.3	3	--	2	--
<28	431	0.5	236	0.4	100	1.7	68	0.8	13	0.4	8	0.8	6	3.1
28-31	639	0.8	447	0.7	98	1.7	69	0.9	17	0.5	7	0.7	1	--
32-35	2,787	3.4	1,991	3.2	336	5.7	301	3.7	122	3.6	33	3.4	4	--
36	2,580	3.2	1,880	3.0	261	4.5	288	3.6	120	3.5	24	2.5	7	3.6
<37[4]	6,437	7.9	4,554	7.2	795	13.6	726	9.0	272	7.9	72	7.4	18	9.3
37-39[5]	34,544	42.4	26,254	41.7	2,530	43.2	3,558	44.1	1,727	50.3	433	44.5	42	21.6
40	24,160	29.6	19,142	30.4	1,519	25.9	2,239	27.7	950	27.6	274	28.2	36	18.6
41	12,133	14.9	9,834	15.6	720	12.3	1,080	13.4	350	10.2	140	14.4	9	4.6
42	3,171	3.9	2,466	3.9	204	3.5	351	4.3	105	3.1	43	4.4	2	--
43	586	0.7	444	0.7	47	0.8	69	0.9	22	0.6	4	--	0	0.0
44+	149	0.2	120	0.2	14	0.2	11	0.1	3	--	1	--	0	0.0
Unknown[6]	382	0.5	215	0.3	25	0.4	43	0.5	7	0.2	5	0.5	87	44.8

[1] A clinical estimate of the number of weeks of pregnancy completed, as estimated by the attendant at birth or the postnatal physician [2] Percentages are based on column total [3] Calculations based on fewer than five events are excluded [4] Also known as early gestational age, premature delivery, or preterm delivery [5] Normal gestational age is defined as 37-42 weeks [6] Estimate not provided

Figure B-7. Trends in Adequacy of Prenatal Care[1] by Race[2] Massachusetts: 1980-1995



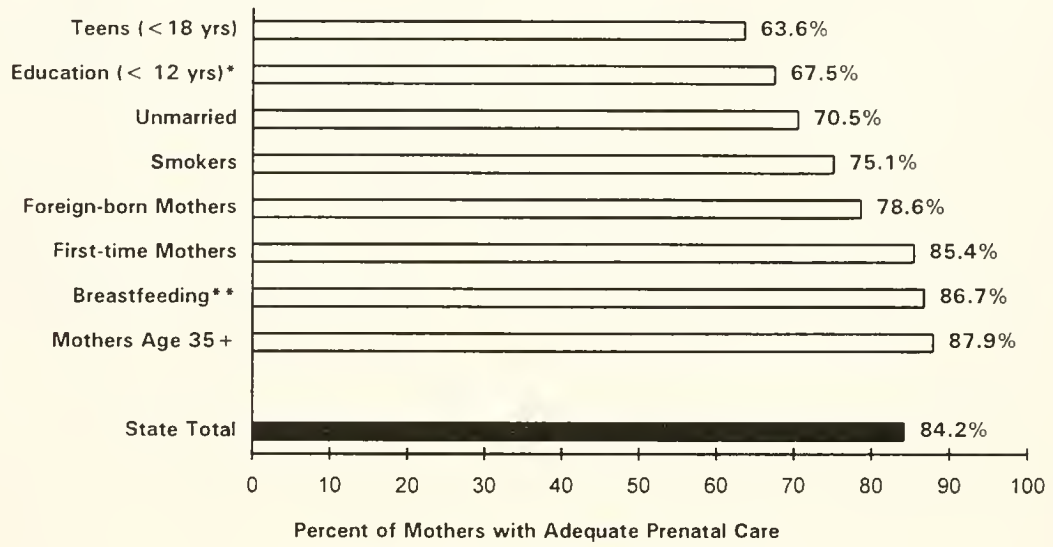
[1] Calculations are based on births with known adequacy of prenatal care scores.
[2] On tables and graphs which include data previous to June 1986, the race classifications do not include ethnicity; most Hispanics are included in the race category of whites.

Table B-11. Low Birthweight by Level of Prenatal Care and Race and Hispanic Ethnicity, Massachusetts: 1995[1]

Race and Ethnicity Birthweight		Total	Level of Prenatal Care[2] Adequate	Intermediate	Late/None
STATE TOTAL	Total	80,997	68,197	10,781	2,019
LBW	#[3]	5,099	3,893	931	275
	%	6.3	5.7	8.6	13.6
White non-Hispanic	Total	62,698	54,846	6,834	1,018
LBW	#	3,527	2,843	548	136
	%	5.6	5.2	8.0	13.4
Black non-Hispanic	Total	5,793	4,104	1,310	379
LBW	#	670	435	164	71
	%	11.6	10.6	12.5	18.7
Hispanic	Total	8,021	5,758	1,817	446
LBW	#	594	396	146	52
	%	7.4	6.9	8.0	11.7
Asian	Total	3,417	2,689	615	113
LBW	#	231	162	58	11
	%	6.8	6.0	9.4	9.7
Other/Unknown	Total	1,068	800	205	63
LBW	#	77	57	15	5
	%	7.2	7.1	7.3	7.9

[1]All data are based on 80,997 births with known adequacy of care data [2] Detailed explanation of the levels of prenatal care is presented in the Glossary. [3] Low birthweight <2,500 grams or 5.5 pounds

Figure B-8. Adequacy of Prenatal Care[1] for Selected Population Characteristics Massachusetts: 1995



[1] Calculations are based on births with known adequacy of prenatal care scores.
* Women 20 years of age and older.
** Mother was or was intending to breastfeed at the time the birth certificate was completed.

Table B-12. Birth Characteristics by Source of Prenatal Care Payment, Race and Hispanic Ethnicity, Massachusetts: 1995

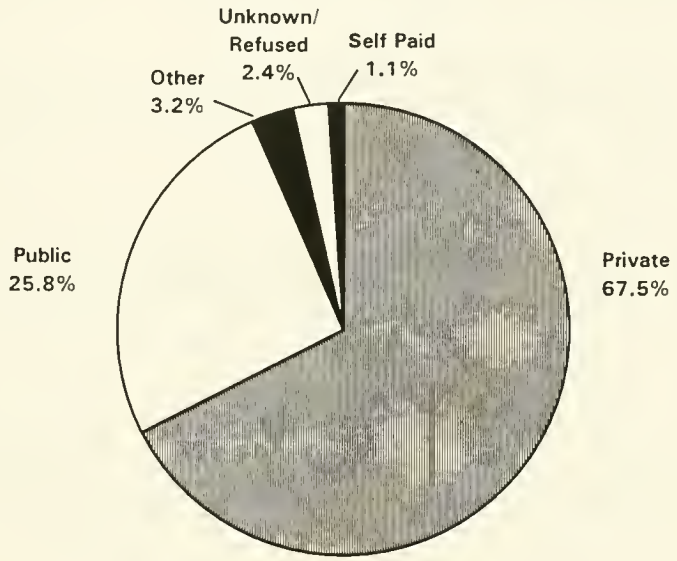
Race and Ethnicity	Births[1]		Teen Births				Birthweight			
			<18 Years		<20 Years		Very Low[2]		Low[3]	
Payment Source	#	%	#	%	#	%	#	%	#	%
STATE TOTALS: BIRTHS[4]	81,562	100.0	2,397	2.9	6,107	7.5	964	1.2	5,174	6.3
Public	21,059	25.8	1,624	7.7	4,266	20.3	297	1.4	1,677	8.0
Medicaid	17,577	21.6	1,508	8.6	3,918	22.3	260	1.5	1,464	8.3
Other Public[5]	3,482	4.3	116	3.3	348	10.0	37	1.1	213	6 1
Private[6]	55,065	67.5	607	1.1	1,433	2.6	528	1.0	2,867	5 2
WHITE NON-HISPANIC	63,029	100.0	1,040	1.7	3,209	5.1	603	1.0	3,579	5.7
Public	10,745	17.0	576	5.4	1,968	18.3	110	1.0	758	7.1
Medicaid	9,372	14.9	550	5.9	1,844	19.7	104	1 1	679	7.2
Other Public	1,373	2.2	26	1.9	124	9.0	6	0.4	79	5.8
Private	48,057	76.2	377	0.8	1,007	2.1	398	0.8	2,442	5.1
BLACK NON-HISPANIC	5,854	100.0	404	6.9	865	14.8	185	3.2	684	11.7
Public	3,183	54.4	276	8.7	619	19.4	85	2.7	391	12.3
Medicaid	2,627	44.9	254	9.7	570	21.7	72	2.7	330	12.6
Other Public	556	9.5	22	4.0	49	8.8	13	2.3	61	11.0
Private	2,357	40.3	110	4.7	199	8.4	77	3.3	237	10.1
HISPANIC	8,077	100.0	826	10.2	1,727	21.4	124	1.5	597	7.4
Public	5,555	68.8	680	12.2	1,461	26.3	78	1.4	423	7.6
Medicaid	4,239	52.5	616	14.5	1,301	30.7	65	1.5	358	8.4
Other Public	1,316	16.3	64	4.9	160	12.2	13	1.0	65	4.9
Private	2,051	25.4	95	4.6	169	8.2	30	1.5	125	6 1
ASIAN	3,436	100.0	75	2.2	163	4.7	28	0.8	114	3.3
Public	1,119	32.6	56	5.0	123	11.0	18	1.6	79	7.1
Medicaid	974	28.3	54	5.5	114	11.7	13	1.3	73	7.5
Other Public	145	4.2	2	--[7]	9	6.2	5	3.4	6	4.1
Private	2,116	61.6	13	0.6	31	1.5	8	0.4	21	1.0
OTHER[8]	972	100.0	51	5.2	134	13.8	16	1.6	66	6.8
Public	446	45.9	36	8.1	95	21.3	5	1.1	23	5.2
Medicaid	355	36.5	34	9.6	89	25.1	5	1.4	21	5.9
Other Public	91	9.4	2	--	6	6.6	0	0.0	2	--
Private	435	44.8	12	2.8	27	6 2	11	2.5	37	8.5

[1] In the first category "Births", percentages are based on race/ethnicity totals For all other categories, percentages are based on Birth totals. [2] Very low birthweight <1,500 grams or 3 3 pounds [3] Low Birthweight. < 2,500 grams or 5 5 pounds [4] Total births does not equal Public + Private Other categories of prenatal care payment are also included in Total Workers' Compensation, self-paid, and other [5] Other Public. Healthy Start, Medicare, other government programs, and free care [6] Private Blue Cross/Blue Shield, commercial insurance, and HMO [7] Calculations based on fewer than five events are excluded [8] Other: Mothers who self-designated other races Data for mothers of Unknown race are included in State totals

Table B-12. (continued) Birth Characteristics By Prenatal Care Payment, Race, and Hispanic Ethnicity, Massachusetts: 1995

Race and Ethnicity	Prenatal Care							
	Adequate		Began in 1st Trimester		Cesarean Section		Breast Feeding[1]	
Payment source	#	%	#	%	#	%	#	%
STATE TOTALS: BIRTHS	68,197	84.2	72,567	89.3	16,758	20.6	53,014	66.4
Public	14,783	70.5	16,096	76.6	3,793	18.1	10,989	52 2
Medicaid	12,345	70.6	13,423	74.7	3,095	17 7	8,385	47.8
Other Public	2,438	70.4	2,673	77.1	699	20.1	2,604	74.9
Private	49,246	89.8	51,981	94.5	11,920	21.7	39,502	71.8
WHITE NON-HISPANIC	54,846	87.5	57,938	92.1	13,306	21.2	40,646	66.0
Public	8,039	75.1	8,581	80.0	2,022	18.9	4,763	44.4
Medicaid	7,011	75.1	7,472	79.9	1,746	18.7	3,886	41.5
Other Public	1,028	75.3	1,109	81.0	276	20.1	877	64.1
Private	43,394	90.6	45,703	95.2	10,441	21.8	34,075	71.0
BLACK NON-HISPANIC	4,104	70.8	4,559	78.2	1,265	21.7	3,838	66.1
Public	1,959	62.0	2,236	70.5	591	18.6	1,855	58 4
Medicaid	1,613	61.8	1,837	70.2	484	18.5	1,425	54.4
Other Public	346	62.6	399	71.8	107	19.2	430	77.5
Private	1,939	83.3	2,098	89.2	613	26.2	1,801	76.7
HISPANIC	5,758	71.8	6,331	78.7	1,453	18.1	5,645	70.1
Public	3,724	67.5	4,144	74.8	978	17.7	3,691	66.5
Medicaid	2,818	67.0	3,150	74.5	686	16.3	2,576	60.8
Other Public	906	69.2	994	75.9	292	22.2	1,115	84.8
Private	1,716	84.1	1,837	89.8	397	19.4	1,628	79.6
ASIAN	2,689	78.7	2,862	83.5	528	15.4	2,150	63.1
Public	756	67.7	800	71.7	120	10.7	411	36.8
Medicaid	656	67.4	694	71.3	107	11.0	304	31.3
Other Public	100	69.9	106	74.1	13	9.0	107	73.8
Private	1,796	85.3	1,909	90.3	367	17.4	1,616	76.5
OTHER	725	75.2	792	81.6	183	18.9	670	69.6
Public	302	67.9	330	74.2	80	18.0	266	59.8
Medicaid	245	69.2	266	75 1	70	19 8	192	54 2
Other Public	57	62.6	64	70.3	10	11.0	74	81.3
Private	362	84.2	391	89.9	88	20.3	349	80.2

Figure B-9. Percentage Distribution of Prenatal Care Payment Source[1,2] Massachusetts: 1995



[1] The source of payment for prenatal care is a self-reported item on the birth certificate. Private: Blue Cross/Blue Shield, commercial insurance and health maintenance organizations. Public: Medicaid, Medicare, Healthy Start, free care and other government sources. Healthy Start is a Massachusetts-funded program providing services and financing for prenatal care to low-income women. Other: Worker's Compensation and other sources.

[2] Due to Medicaid recipients' enrollment in HMOs, it is not always possible to distinguish private paying HMO participants and Medicaid paying HMO participants.

Table B-13. Occurrence and Caesarean Births by Licensed Maternity Facility, Massachusetts: 1995[1,2]

Facility	Location	Birth Characteristics				Caesarean Sections[3]			
		Occurrence Births	Low Birthweight	Public Payment for Delivery[4]	Adequate Prenatal Care	Total	%[5]	Primary	Repeat
STATE TOTAL		82,623	6.3	25.7	84.1	17,020	20.7	10,917	6,103
ADDISON GILBERT	GLOUCESTER	42	0.0	57.1	90.5	8	19.0	6	2
ANNA JAQUES HOSPITAL	NEWBURYPORT	897	4.3	15.8	87.4	138	15.4	92	46
BAYSTATE MEDICAL CENTER	SPRINGFIELD	5,335	8.6	34.1	77.0	1,042	20.1	654	388
BERKSHIRE MEDICAL CENTER	PITTSFIELD	1,071	4.9	23.9	80.0	225	21.0	133	92
BETH ISRAEL HOSPITAL	BOSTON	5,312	8.9	22.7	87.7	1,258	23.7	861	397
BEVERLY HOSPITAL	BEVERLY	2,712	4.2	21.6	86.7	552	20.4	355	197
BOSTON CITY HOSPITAL	BOSTON	1,589	12.7	88.3	53.6	283	17.9	185	98
BOSTON REGIONAL MEDICAL CENTER	STONEHAM	1,377	2.5	9.7	95.8	335	24.3	208	127
BRIGHAM AND WOMEN'S	BOSTON	8,423	10.0	15.9	93.2	1,985	23.7	1,370	615
BROCKTON HOSPITAL	BROCKTON	1,271	4.8	38.9	74.1	262	20.6	160	102
BURBANK HOSPITAL	FITCHBURG	267	3.4	46.8	77.1	33	12.4	21	12
CAMBRIDGE HOSPITAL	CAMBRIDGE	491	3.3	75.5	67.3	97	19.8	61	36
CAPE COD HOSPITAL	BARNSTABLE	1,005	4.4	28.3	85.5	246	24.5	144	102
CHARLTON MEMORIAL	FALL RIVER	1,717	5.1	34.9	82.7	338	19.7	221	117
COOLEY-DICKINSON HOSPITAL	NORTHAMPTON	945	2.4	21.3	91.4	173	18.3	116	57
EMERSON HOSPITAL	CONCORD	1,563	2.0	6.7	86.6	352	22.5	225	127
FAIRVIEW HOSPITAL	GREAT BARRINGTON	176	6.8	36.2	84.5	51	29.0	33	18
FALMOUTH HOSPITAL	FALMOUTH	600	3.8	30.9	61.4[6]	100	17.1	65	35
FRANKLIN MEDICAL CEN	GREENFIELD	603	4.3	37.3	84.6	122	20.3	83	39
GOOD SAMARITAN MEDICAL CENTER	STOUGHTON	904	4.4	38.3	59.4	179	19.8	126	53
GOOD SAMARITAN MEDICAL CENTER	BROCKTON	277	5.1	28.4	64.3	69	25.0	37	32
HALE HOSPITAL	HAVERHILL	611	2.5	39.0	81.0	100	16.4	65	35
HARRINGTON MEMORIAL	SOUTHBRIDGE	412	4.9	47.6	83.7	91	22.1	57	34

Note: Addison Gilber closed to births on March 1, 1995. Burbank closed to births on June 2, 1995. Beth Israel name changed to Beth Israel/Deaconess Medical Center. Boston City Hospital name changed to Boston Medical Center.

Table B-13. (continued) Occurrence and Caesarean Births by Licensed Maternity Facility, Massachusetts: 1995

Facility	Location	Occurrence Births	Birth Characteristics: Low Birthweight	Public Payment for Delivery	Adequate Prenatal Care	Caesarean Sections: Total	%	Primary	Repeat
HENRY HEYWOOD MEMORIAL HOSPITAL	GARDNER	381	4.7	39.6	79.7	80	21.0	54	26
HOLY FAMILY HOSPITAL	METHUEN	968	4.2	28.9	80.9	213	22.0	132	81
HOLYOKE HOSPITAL	HOLYOKE	176	2.8	55.7	70.8	39	22.2	21	18
JORDAN HOSPITAL	PLYMOUTH	899	2.6	24.7	81.0	210	23.4	130	80
LAWRENCE GENERAL HOSPITAL	LAWRENCE	1,611	4.1	42.4	47.8	284	17.7	136	148
LEONARD MORSE HOSP	LEOMINSTER	1,490	3.6	24.0	83.7	283	19.1	179	104
LOWELL GENERAL HOSP	LOWELL	2,480	3.6	34.9	85.0	444	17.9	255	189
MALDEN HOSPITAL	MALDEN	607	3.0	52.4	69.7	142	23.4	72	70
MARTHA'S VINEYARD HOSPITAL	OAK BLUFFS	125	2.4	27.2	80.8	32	25.6	19	13
MARY LANE HOSPITAL	WARE	233	3.0	37.8	83.3	53	22.7	26	27
MASSACHUSETTS GENERAL HOSPITAL	BOSTON	1,091	16.6	28.4	67.4	277	25.5	221	56
MELROSE/WAKEFIELD	MELROSE	1,340	3.9	13.2	95.5	268	20.0	140	128
METROWEST MEDICAL CTR	NATICK	604	1.8	10.5	94.7	118	19.6	73	45
METROWEST MEDICAL CENTER-FRAMINGHAM	FRAMINGHAM	2,258	3.7	18.4	95.2	471	20.9	306	165
MILFORD-WHITINSVILLE REGIONAL	MILFORD	506	2.8	28.7	86.6	114	22.5	70	44
MORTON HOSPITAL	TAUNTON	623	5.5	34.7	83.9	173	27.8	83	90
MOUNT AUBURN HOSP	CAMBRIDGE	1,292	4.6	9.3	87.1	235	18.2	151	84
NANTUCKET COTTAGE HOSPITAL	NANTUCKET	75	2.7	13.3	89.3	18	24.0	13	5
NEW ENGLAND MEDICAL CENTER	BOSTON	1,663	22.4	34.5	83.0	422	25.6	298	124
NEWTON WELLESLEY HOSPITAL	NEWTON	4,348	4.0	1.9	90.1	721	16.6	466	255
NORTH ADAMS REGIONAL HOSPITAL	NORTH ADAMS	379	4.7	38.4	89.4	93	24.6	57	36

Note: Henry Heywood name changed to Heywood Memorial Hospital

Table B-13. (continued) **Occurrence and Caesarean Births by Licensed Maternity Facility, Massachusetts: 1995**

Facility	Location	Occurrence Births	Birth Characteristics			Caesarean Sections			
			Low Birthweight	Public Payment for Delivery	Adequate Prenatal Care	Total	%	Primary	Repeat
NORTH SHORE BIRTH CENTER	BEVERLY	131	0.8	9.9	94.7	0	0.0	0	0
NORTH SHORE MEDICAL CENTER	SALEM	1,727	5.2	29.1	89.3	382	22.1	253	129
NORWOOD HOSPITAL	NORWOOD	1,111	3.4	12.5	80.5	259	23.3	158	101
PROVIDENCE HOSPITAL	HOLYOKE	969	6.8	51.5	80.5	148	15.3	104	44
QUINCY HOSPITAL	QUINCY	936	2.7	26.6	80.8	237	25.3	151	86
SAINT VINCENT HOSPITAL	WORCESTER	2,250	3.2	22.0	85.7	320	14.2	221	99
SAINT'S MEMORIAL MEDICAL CENTER	LOWELL	342	5.8	38.3	81.0	60	17.5	43	17
SOUTH SHORE HOSPITAL	WEYMOUTH	2,944	2.8	3.9	94.8	585	19.9	344	241
ST. ELIZABETH'S MEDICAL CENTER	BOSTON	1,932	8.9	37.8	93.6	502	26.0	324	178
ST. LUKE'S HOSPITAL	NEW BEDFORD	1,509	4.7	48.9	78.1	326	21.6	202	124
STURDY MEMORIAL HOSPITAL	ATTLEBORO	822	3.3	26.8	76.6	174	21.2	98	76
THE MEDICAL CENTER OF CENTRAL MA	WORCESTER	3,883	10.5	27.9	92.8	706	18.2	476	230
TOBEY HOSPITAL	WAREHAM	443	3.6	31.2	87.6	57	12.9	35	22
WALTHAM/WESTON HOSPITAL	WALTHAM	377	2.9	41.0	85.4	48	12.9	30	18
WINCHESTER HOSPITAL	WINCHESTER	2,199	4.4	7.7	70.2	486	22.1	297	189

[1] See Glossary for definitions of occurrence and Caesarean births, primary and repeat. [2] A licensed maternity facility is a medical unit licensed by the Commonwealth for the care of women during pregnancy and childbirth. [3] The percentage of Caesarean births reported is not adjusted for risk factors such as mother's age, birthweight, or complications of labor and delivery, which would influence the number of procedures in a particular facility. Caution should be used when comparing unadjusted percentages. [4] Public payment for delivery includes Medicaid/Commonhealth, Medicare, Healthy Start, other government programs, and free care. [5] Percentages calculated on births with known method of delivery. [6] After file closing, Falmouth Hospital submitted revised 1995 data that changes the percent of births with adequate prenatal care from 61.4% to 97.6%.

Note: Waltham/Weston Hospital name changed to Deaconess/Waltham on April 14, 1995.

Table B-14A. Birth Characteristics, Occurrence and Resident Births and Infant Deaths, Massachusetts Municipalities: 1995

Community	Occurrence Births	Resident Births	Low Birthweight	Teen Births, < 20 years	Infant Deaths	Neonatal Deaths
ABINGTON	1	232	7	5	1	1
ACTON	1	266	13	3	2	2
ACUSHNET	0	69	6	8	0	0
ADAMS	0	104	9	10	0	0
AGAWAM	1	331	20	11	0	0
ALFORD	1	2	0	0	0	0
AMESBURY	0	223	9	8	1	1
AMHERST	2	194	13	15	2	2
ANDOVER	0	366	23	5	2	1
ARLINGTON	3	576	27	3	3	1
ASHBURNHAM	0	63	--[1]	5	0	0
ASHBY	0	25	0	1	0	0
ASHFIELD	0	22	0	0	0	0
ASHLAND	0	238	10	9	0	0
ATHOL	0	107	10	21	1	0
ATTLEBORO	824	676	45	48	1	1
AUBURN	0	188	9	8	0	0
AVON	0	61	--[1]	1	0	0
AYER	1	117	11	5	2	2
BARNSTABLE	1,009	468	22	23	1	0
BARRE	1	52	--[1]	3	0	0
BECKET	0	23	--[1]	0	0	0
BEDFORD	1	265	14	2	1	1
BELCHERTOWN	1	150	9	9	0	0
BELLINGHAM	2	203	24	11	2	1
BELMONT	0	282	16	3	1	0
BERKLEY	0	83	--[1]	3	0	0
BERLIN	0	36	0	1	0	0
BERNARDSTON	0	21	--[1]	3	0	0
BEVERLY	2,843	514	32	21	4	2
BILLERICA	0	546	25	23	1	1
BLACKSTONE	0	153	7	13	0	0
BLANDFORD	0	12	--[1]	0	1	1
BOLTON	0	46	--[1]	0	0	0
BOSTON	20,045	8,034	696	901	54	44
BOURNE	0	273	12	13	0	0
BOXBOROUGH	0	63	--[1]	0	0	0
BOXFORD	0	95	5	1	0	0
BOYLSTON	0	49	--[1]	0	0	0
BRAINTREE	1	386	21	10	3	3
BREWSTER	0	68	--[1]	3	1	1
BRIDGEWATER	1	266	6	13	1	0
BRIMFIELD	1	39	0	0	0	0

Community	Occurrence Births	Resident Births	Low Birthweight	Teen Births, < 20 years	Infant Deaths	Neonatal Deaths
BROCKTON	1,579	1,415	116	186	3	0
BROOKFIELD	0	42	--[1]	3	0	0
BROOKLINE	0	600	38	6	2	1
BUCKLAND	1	19	--[1]	0	0	0
BURLINGTON	0	322	17	1	2	2
CAMBRIDGE	1,789	969	67	37	4	2
CANTON	1	265	15	2	3	2
CARLISLE	0	52	0	0	0	0
CARVER	1	128	8	11	1	1
CHARLEMONT	0	19	0	2	1	1
CHARLTON	2	141	7	9	1	1
CHATHAM	0	47	5	5	0	0
CHELMSFORD	1	451	13	7	0	0
CHELSEA	3	580	40	75	7	3
CHESHIRE	0	44	0	2	0	0
CHESTER	0	18	--[1]	4	0	0
CHESTERFIELD	0	8	0	0	0	0
CHICOPEE	3	628	48	59	2	2
CHILMARK	1	5	--[1]	0	0	0
CLARKSBURG	0	15	0	1	0	0
CLINTON	1	169	10	20	1	1
COHASSET	0	107	--[1]	2	0	0
COLRAIN	0	22	--[1]	2	0	0
CONCORD	1,566	181	6	1	0	0
CONWAY	0	20	--[1]	1	0	0
CUMMINGTON	0	8	0	0	0	0
DALTON	0	88	--[1]	8	0	0
DANVERS	2	299	16	7	0	0
DARTMOUTH	1	230	8	14	1	1
DEDHAM	1	286	10	11	1	1
DEERFIELD	0	54	--[1]	1	0	0
DENNIS	0	112	11	6	2	0
DIGHTON	0	60	0	1	0	0
DOUGLAS	0	88	--[1]	7	0	0
DOVER	0	57	--[1]	0	1	0
DRACUT	0	413	9	16	0	0
DUDLEY	0	99	9	4	0	0
DUNSTABLE	0	33	--[1]	0	0	0
DUXBURY	0	193	7	5	1	1
EAST BRIDGEWATER	0	166	10	12	0	0
EAST BROOKFIELD	0	19	--[1]	1	1	0
EAST LONGMEADOW	0	141	8	2	1	0
EASTHAM	0	20	--[1]	3	0	0
EASTHAMPTON	1	171	11	14	4	2

Community	Occurrence Births	Resident Births	Low Birthweight	Teen Births, < 20 years	Infant Deaths	Neonatal Deaths
EASTON	0	275	8	7	1	1
EDGARTOWN	1	33	0	3	0	0
EGREMONT	0	3	0	0	0	0
ERVING	0	9	--[1]	1	0	0
ESSEX	3	65	--[1]	1	1	1
EVERETT	2	537	37	37	5	4
FAIRHAVEN	1	175	9	11	0	0
FALL RIVER	1,721	1,179	82	172	7	4
FALMOUTH	601	287	12	13	2	1
FITCHBURG	270	533	40	95	2	2
FLORIDA	0	6	0	0	0	0
FOXBOROUGH	0	227	9	6	1	0
FRAMINGHAM	2,260	956	61	52	3	3
FRANKLIN	0	560	29	13	2	1
FREETOWN	1	75	0	2	0	0
GARDNER	381	265	15	41	2	2
GAY HEAD	0	1	0	0	0	0
GEORGETOWN	1	120	7	1	0	0
GILL	0	17	--[1]	1	0	0
GLOUCESTER	43	359	28	22	6	6
GOSHEN	1	14	--[1]	0	0	0
GOSNOLD	0	1	0	0	0	0
GRAFTON	1	209	7	3	0	0
GRANBY	0	66	--[1]	4	0	0
GRANVILLE	0	16	0	1	0	0
GREAT BARRINGTON	177	57	5	5	0	0
GREENFIELD	604	202	11	22	1	1
GROTON	1	152	6	2	2	2
GROVELAND	0	79	--[1]	3	0	0
HADLEY	1	35	--[1]	2	0	0
HALIFAX	1	109	10	4	0	0
HAMILTON	0	95	--[1]	0	0	0
HAMPDEN	0	45	--[1]	4	0	0
HANCOCK	0	8	0	0	0	0
HANOVER	0	145	--[1]	2	0	0
HANSON	1	123	5	5	0	0
HARDWICK	0	29	--[1]	3	0	0
HARVARD	0	84	--[1]	1	0	0
HARWICH	0	97	6	6	0	0
HATFIELD	0	25	0	0	0	0
HAVERHILL	613	863	50	89	8	4
HAWLEY	0	2	0	0	0	0
HEATH	0	7	0	0	0	0
HINGHAM	1	265	14	5	1	0

Community	Occurrence Births	Resident Births	Low Birthweight	Teen Births, < 20 years	Infant Deaths	Neonatal Deaths
HINSDALE	0	24	--[1]	4	0	0
HOLBROOK	1	107	10	8	2	2
HOLDEN	1	183	19	2	0	0
HOLLAND	1	33	--[1]	0	0	0
HOLLISTON	0	184	8	5	3	3
HOLYOKE	1,145	684	67	174	1	0
HOPEDALE	0	96	--[1]	4	0	0
HOPKINTON	0	195	9	2	0	0
HUBBARDSTON	0	50	--[1]	3	0	0
HUDSON	2	241	12	10	1	1
HULL	0	167	8	9	1	1
HUNTINGTON	0	22	0	3	0	0
IPSWICH	1	155	14	8	1	1
KINGSTON	1	192	8	4	1	1
LAKEVILLE	0	106	--[1]	4	0	0
LANCASTER	0	49	--[1]	3	1	1
LANESBOROUGH	0	32	5	2	0	0
LAWRENCE	1,611	1,298	87	300	8	6
LEE	0	69	--[1]	2	3	3
LEICESTER	0	111	--[1]	6	1	0
LENOX	1	54	--[1]	3	0	0
LEOMINSTER	1,491	612	34	61	5	3
LEVERETT	2	19	0	1	0	0
LEXINGTON	0	297	21	0	1	0
LEYDEN	0	5	0	1	0	0
LINCOLN	0	70	--[1]	0	0	0
LITTLETON	0	112	--[1]	2	0	0
LONGMEADOW	0	173	--[1]	2	1	0
LOWELL	2,830	1,739	129	301	10	4
LUDLOW	2	211	10	14	0	0
LUNENBURG	0	109	9	4	0	0
LYNN	8	1,286	103	179	10	8
LYNNFIELD	0	121	5	0	1	1
MALDEN	610	784	75	29	7	3
MANCHESTER	1	62	--[1]	2	0	0
MANSFIELD	0	454	30	13	0	0
MARBLEHEAD	0	236	11	0	3	2
MARION	0	34	--[1]	0	0	0
MARLBOROUGH	1	581	35	37	2	2
MARSHFIELD	0	361	11	6	0	0
MASHPEE	2	143	7	8	0	0
MATTAPOISETT	0	56	--[1]	1	1	0
MAYNARD	2	177	11	5	2	2
MEDFIELD	0	169	6	0	0	0

Community	Occurrence Births	Resident Births	Low Birthweight	Teen Births, < 20 years	Infant Deaths	Neonatal Deaths
MEDFORD	0	647	35	16	3	1
MEDWAY	1	202	12	1	1	0
MELROSE	1,341	376	18	7	1	1
MENDON	1	61	--[1]	1	0	0
MERRIMAC	0	76	--[1]	3	1	0
METHUEN	969	577	36	50	2	1
MIDDLEBOROUGH	0	253	20	20	0	0
MIDDLEFIELD	0	2	0	0	0	0
MIDDLETON	0	85	5	1	1	1
MILFORD	508	384	25	18	1	1
MILLBURY	0	159	9	14	2	2
MILLIS	0	140	7	2	0	0
MILLVILLE	0	41	--[1]	5	0	0
MILTON	2	275	13	4	1	0
MONROE	0	1	0	0	0	0
MONSON	0	94	6	2	0	0
MONTAGUE	0	97	8	10	2	2
MONTEREY	0	7	0	0	0	0
MONTGOMERY	0	8	0	0	0	0
MOUNT WASHINGTON	0	2	0	0	0	0
NAHANT	0	38	--[1]	0	0	0
NANTUCKET	75	102	--[1]	3	2	2
NATICK	609	472	23	5	2	1
NEEDHAM	0	399	28	1	2	2
NEW ASHFORD	0	4	0	0	0	0
NEW BEDFORD	1512	1,234	89	207	11	9
NEW BRAINTREE	0	11	0	0	0	0
NEW MARLBOROUGH	0	18	--[1]	1	0	0
NEW SALEM	0	8	0	0	0	0
NEWBURY	0	90	6	2	0	0
NEWBURYPORT	897	202	11	8	0	0
NEWTON	4,350	818	43	6	3	1
NORFOLK	0	135	7	1	1	0
NORTH ADAMS	379	180	16	34	0	0
NORTH ANDOVER	0	308	11	10	2	1
NORTH ATTLEBORO	1	405	16	15	0	0
NORTH BROOKFIELD	0	53	7	5	0	0
NORTH READING	0	199	7	1	0	0
NORTHAMPTON	949	232	8	27	1	1
NORTHBOROUGH	0	173	9	5	0	0
NORTHBRIDGE	0	201	9	14	3	3
NORTHFIELD	0	32	--[1]	2	1	1
NORTON	0	287	14	8	1	0
NORWELL	0	108	--[1]	1	1	1

Community	Occurrence Births	Resident Births	Low Birthweight	Teen Births, < 20 years	Infant Deaths	Neonatal Deaths
NORWOOD	1,114	392	25	11	3	2
OAK BLUFFS	125	40	--[1]	2	0	0
OAKHAM	0	17	0	0	0	0
ORANGE	1	76	--[1]	12	0	0
ORLEANS	0	35	--[1]	1	0	0
OTIS	0	10	0	1	0	0
OXFORD	1	142	12	10	2	2
PALMER	1	193	9	23	1	1
PAXTON	0	31	0	0	0	0
PEABODY	7	601	42	18	5	3
PELHAM	0	9	--[1]	0	0	0
PEMBROKE	0	236	10	6	1	0
PEPPERELL	0	130	6	5	1	0
PERU	0	7	--[1]	0	1	1
PETERSHAM	0	9	--[1]	0	1	0
PHILLIPSTON	0	15	0	0	0	0
PITTSFIELD	1,073	588	44	69	2	2
PLAINFIELD	0	5	0	0	0	0
PLAINVILLE	0	92	--[1]	3	0	0
PLYMOUTH	904	677	31	42	2	1
PLYMPTON	0	34	--[1]	1	0	0
PRINCETON	0	27	--[1]	1	0	0
PROVINCETOWN	1	16	0	2	0	0
QUINCY	936	1,083	68	44	4	4
RANDOLPH	0	413	32	18	2	2
RAYNHAM	0	132	11	6	0	0
READING	0	341	16	2	0	0
REHOBOTH	0	89	6	2	0	0
REVERE	0	617	36	47	2	1
RICHMOND	0	12	--[1]	1	0	0
ROCHESTER	0	52	5	1	0	0
ROCKLAND	1	269	19	13	1	1
ROCKPORT	1	72	5	1	1	1
ROWE	0	6	0	1	0	0
ROWLEY	0	77	--[1]	2	1	1
ROYALSTON	0	13	0	2	0	0
RUSSELL	0	21	--[1]	3	0	0
RUTLAND	0	69	5	1	0	0
SALEM	1,727	550	57	46	3	2
SALISBURY	0	97	9	7	0	0
SANDISFIELD	0	6	--[1]	1	0	0
SANDWICH	0	234	18	7	1	1
SAUGUS	0	284	11	10	1	1
SAVOY	0	7	0	0	0	0

Community	Occurrence Births	Resident Births	Low Birthweight	Teen Births, < 20 years	Infant Deaths	Neonatal Deaths
SCITUATE	2	228	15	6	1	0
SEEKONK	3	127	7	8	0	0
SHARON	1	231	9	1	2	2
SHEFFIELD	0	36	--[1]	0	0	0
SHELBURNE	0	12	0	1	0	0
SHERBORN	0	46	6	0	0	0
SHIRLEY	1	66	0	3	0	0
SHREWSBURY	1	436	22	11	2	2
SHUTESBURY	0	17	0	0	0	0
SOMERSET	1	142	11	17	1	1
SOMERVILLE	6	985	65	59	8	6
SOUTH HADLEY	0	153	13	7	1	1
SOUTHAMPTON	1	53	--[1]	3	1	1
SOUTHBOROUGH	0	112	5	1	0	0
SOUTHBRIDGE	412	254	32	44	2	1
SOUTHWICK	0	105	9	5	1	1
SPENCER	0	137	5	15	0	0
SPRINGFIELD	5,351	2,331	182	463	18	13
STERLING	0	85	--[1]	2	0	0
STOCKBRIDGE	0	11	--[1]	2	0	0
STONEHAM	1,377	262	13	5	2	1
STOUGHTON	878	320	25	11	1	0
STOW	0	78	6	2	0	0
STURBRIDGE	0	87	7	4	0	0
SUDBURY	3	229	8	4	0	0
SUNDERLAND	0	45	--[1]	1	0	0
SUTTON	0	115	--[1]	3	0	0
SWAMPSCOTT	0	162	8	0	1	1
SWANSEA	0	174	11	9	1	1
TAUNTON	624	792	48	85	3	1
TEMPLETON	0	100	--[1]	3	0	0
TEWKSBURY	1	455	37	6	5	4
TISBURY	2	41	--[1]	2	0	0
TOLLAND	0	4	--[1]	0	0	0
TOPSFIELD	1	55	--[1]	2	0	0
TOWNSEND	1	116	5	7	0	0
TRURO	1	11	0	0	0	0
TYNGSBOROUGH	0	173	--[1]	7	0	0
TYRINGHAM	0	3	0	1	0	0
UPTON	1	113	7	1	0	0
UXBRIDGE	0	160	--[1]	7	1	1
WAKEFIELD	0	320	9	4	2	2
WALES	0	24	--[1]	2	0	0
WALPOLE	0	264	11	1	1	0

Community	Occurrence Births	Resident Births	Low Birthweight	Teen Births, < 20 years	Infant Deaths	Neonatal Deaths
WALTHAM	380	779	69	42	1	1
WARE	237	93	9	16	0	0
WAREHAM	444	249	21	40	1	1
WARREN	0	66	7	17	0	0
WARWICK	0	11	0	0	0	0
WASHINGTON	0	6	0	0	0	0
WATERTOWN	1	400	24	5	2	2
WAYLAND	0	166	9	1	0	0
WEBSTER	4	216	22	31	3	2
WELLESLEY	7	362	26	2	1	1
WELLFLEET	0	15	--[1]	0	0	0
WENDELL	0	6	--[1]	0	0	0
WENHAM	0	31	0	1	0	0
WEST BOYLSTON	0	60	--[1]	1	0	0
WEST BRIDGEWATER	0	72	--[1]	3	0	0
WEST BROOKFIELD	2	46	--[1]	6	0	0
WEST NEWBURY	0	44	--[1]	0	0	0
WEST SPRINGFIELD	1	349	23	33	3	2
WEST STOCKBRIDGE	0	17	--[1]	0	0	0
WEST TISBURY	1	29	--[1]	0	0	0
WESTBOROUGH	1	214	6	2	0	0
WESTFIELD	0	452	19	42	3	2
WESTFORD	0	328	20	4	3	3
WESTHAMPTON	0	12	0	0	0	0
WESTMINSTER	0	72	5	3	0	0
WESTON	0	122	7	1	0	0
WESTPORT	0	113	12	5	0	0
WESTWOOD	0	163	9	1	0	0
WEYMOUTH	2,948	784	36	40	3	2
WHATELY	0	22	--[1]	0	0	0
WHITMAN	0	178	10	8	2	0
WILBRAHAM	0	121	--[1]	4	0	0
WILLIAMSBURG	0	33	0	1	0	0
WILLIAMSTOWN	2	52	--[1]	3	0	0
WILMINGTON	1	344	25	11	0	0
WINCHENDON	0	115	15	10	1	0
WINCHESTER	2,202	261	15	0	0	0
WINDSOR	0	3	0	0	0	0
WINTHROP	1	211	18	4	0	0
WOBURN	0	437	18	15	1	1
WORCESTER	6,144	2,374	170	355	21	18
WORTHINGTON	0	10	0	0	1	1
WRENTHAM	2	151	9	2	2	1
YARMOUTH	0	217	13	20	3	3

[1] Values of 1-4 for medical characteristics of communities with less than 200 births are suppressed based on *Guidelines for Release of Birth Data*, Bureau of Health Statistics, Research and Evaluation, November 19, 1996.

Table B-14B. Birth Characteristics, Occurrence and Resident Births and Infant Deaths, Massachusetts Counties: 1995

COUNTY NAME	OCCURRENCE BIRTHS	RESIDENT BRTHS			DEATHS	
		Number	Low Birthweight	Teen, < 20 years	Infant	Neonatal
State Total	82623	81562	5174	6107	419	298
BARNSTABLE	1614	2043	113	110	10	6
BERKSHIRE	1633	1498	102	150	6	6
BRISTOL	4689	6771	416	641	27	19
DUKES	130	150	8	7	0	0
ESSEX	8728	9585	616	808	63	45
FRANKLIN	608	771	46	62	5	5
HAMPDEN	6506	6033	419	848	32	22
HAMPSHIRE	1193	1295	74	101	10	8
MIDDLESEX	19343	19374	1128	811	86	59
NANTUCKET	75	102	3	3	2	2
NORFOLK	5895	8434	487	213	41	27
PLYMOUTH	2937	6314	361	413	20	9
SUFFOLK	20049	9442	790	1027	63	48
WORCESTER	9223	9750	611	913	54	42

Table B-14C. Birth Characteristics, Occurrence and Resident Births and Infant Deaths, Massachusetts Community Health Network Areas (CHNAs): 1995

Community Health Network Area	OCCURRENCE BIRTHS	RESIDENT BIRTHS			DEATHS	
		Number	Low Birthweight	Teen, < 20 years	Infant	Neonatal
State Total	82623	81562	5174	6107	419	298
Pittsfield	1633	1498	102	150	6	6
Greenfield	608	915	57	85	7	5
Holyoke/Chicopee/Northampton	2344	3029	210	375	14	11
Springfield	5353	4109	274	570	28	19
Southbridge	423	1492	123	153	9	6
Milford	515	2927	157	102	14	8
Framingham/Marlborough	2878	4407	231	143	13	12
Worcester	6147	3800	242	400	26	22
Fitchburg/Gardner	2148	3163	187	282	17	13
Lowell	2832	4138	239	364	19	12
Lawrence	2580	2634	162	366	15	10
Haverhill	1511	1966	108	124	11	6
Beverly/Gloucester	2893	1408	91	58	13	11
Lynn/Salem	1744	3456	250	260	23	17
Woburn	6489	4289	203	54	13	11
Medford/Malden	616	3376	241	208	24	12
Cambridge/Somerville	1799	3212	199	107	18	11
Newton/Waltham	4738	3586	231	70	11	7
City of Boston	20045	8034	696	901	54	44
Quincy	5003	3705	220	137	21	17
Attleboro	826	2372	124	94	5	3
Brockton	2459	2985	190	246	9	2
Plymouth	912	3342	155	122	11	7
Taunton	627	1642	99	129	3	1
Fall River	1722	1608	116	203	9	6
New Bedford	1959	2174	143	284	14	11
Cape/Islands	1819	2295	124	120	12	8

DEATHS

SECTION C

DEATHS

Massachusetts resident deaths increased from 1994 (54,914 deaths) to 1995 (55,296 deaths). However, the 1995 death rate of 9.0 per 1,000 population did not vary from the 1994 death rate. As with live births, Massachusetts resident deaths include all deaths to Massachusetts residents regardless of the state in which they occurred. Most data presented in this section are resident data. Occurrence data are used only for medical examiner data.

DEATHS BY RACE/ETHNICITY

From 1994 to 1995, the number of deaths by race/ethnicity remained relatively constant with white non-Hispanic residents comprising 93.6% of total deaths in Massachusetts. Black non-Hispanic deaths totaled 3.6% of total deaths, Hispanic deaths 1.7%, Asian deaths 0.7%, other and unknown race deaths 0.4%.

Prior to 1989, only a race question was included on death certificates. A separate item on Hispanic origin was added to the death record beginning January 1, 1989. This item asks whether the decedent was of Hispanic origin. If answered affirmatively, then specific Hispanic origin (e.g., Puerto Rican, Dominican, Cuban, etc.) is requested.

DEATHS BY AGE

Persons 75 years of age or older accounted for 58.9% of deaths. The percent of deaths to residents in this age group vary widely by sex and race/ethnicity.

SEX	RACE	% OF DEATHS UNDER AGE 75	% OF DEATHS 75 YEARS AND OLDER
MALE	WHITE NON-HISPANIC	50.2	49.8
	BLACK NON-HISPANIC	79.6	20.4
	HISPANIC	88.4	11.6
	ASIAN	67.7	32.3
	OTHER/UNKNOWN	70.3	29.7
	TOTAL	52.5	47.5
FEMALE	WHITE NON-HISPANIC	29.3	70.7
	BLACK NON-HISPANIC	59.9	40.1
	HISPANIC	74.9	25.1
	ASIAN	57.0	43.0
	OTHER/UNKNOWN	42.3	57.7
	TOTAL	31.0	69.0
TOTAL	WHITE NON-HISPANIC	39.0	61.0
	BLACK NON-HISPANIC	70.5	29.5
	HISPANIC	83.1	16.9
	ASIAN	62.8	37.2
	OTHER/UNKNOWN	58.2	41.8
	TOTAL	41.1	58.9

DEATHS BY PLACE OF OCCURRENCE

Between 1994 and 1995, there was little variation in the sites where deaths occurred. The data are presented below:

SITE	% OF DEATHS 1995	% OF DEATHS 1994
HOSPITAL	49.0	52.1
AT HOME	20.7	20.2
NURSING OR REST HOME	26.9	23.8
EN ROUTE TO HOSPITAL OR DEAD ON ARRIVAL	2.5	2.5
OTHER AND UNKNOWN[1]	0.9	1.4
TOTAL	100.0	100.0

DEATHS BY CAUSE

Cause of death statistics in this report are based on the Ninth Revision of the International Classification of Diseases (ICD-9). The methodology of coding cause of death from death certificates is consistent nationally, using the Automated Classification of Medical Entities (ACME), developed by the National Center for Health Statistics (NCHS). The ACME system requires every disease or condition mentioned on the record to be coded. The underlying cause is then selected by a computer program which incorporates the ICD-9 rules and conventions. Cause of death information in this report is based on underlying cause, except where otherwise noted.

The leading causes of death differed markedly by race and ethnicity in 1995. Eight of the ten leading causes of death for whites were chronic diseases (e.g., heart disease, cancer, stroke, respiratory illness, and diabetes) which usually afflict older people. However, the leading causes of death for blacks and Hispanics included homicide, which occurs more frequently among younger people, and perinatal conditions which occur in infancy. For the second consecutive year, AIDS was among the leading ten causes of deaths for all three major race/ethnicity groups: first for Hispanics, third for blacks, and eighth for whites.

[1] Other and Unknown includes prison or other institutions and all other places.

White			Black			Hispanic[2]		
Cause	#	%	Cause	#	%	Cause	#	%
Heart disease	16,195	30.7	Cancer	502	23.5	AIDS & HIV-related diseases	155	16.6
Cancer	13,397	25.4	Heart disease	444	20.8	Heart disease	140	15.0
Stroke	3,333	6.3	AIDS & HIV-related diseases	223	10.4	Cancer	136	14.6
Pneumonia & Influenza	2,643	5.0	Stroke	94	4.4	Homicide	41	4.4
COPD[3]	2,275	4.3	Homicide	86	4.0	Perinatal conditions	33	3.5
Diabetes	1,233	2.4	Diabetes	76	3.6	Unintentional injury	32	3.4
Nephritis	798	1.5	Pneumonia & Influenza	59	2.8	Diabetes	30	3.2
AIDS & HIV-related diseases	709	1.4	COPD	51	2.4	Stroke	29	3.1
Other artery diseases	695	1.3	Nephritis	48	2.2	Motor vehicle injuries	28	3.0
Unintentional injury[4]	689	1.3	Perinatal conditions	44	2.1	Suicide	27	2.9
All other causes[5]	10,754	20.4	All other causes	509	23.8	All other causes	283	30.3
Total	52,721	100.0	Total	2,136	100.0	Total	934	100.0

ACQUIRED IMMUNE DEFICIENCY SYNDROME (AIDS)

The Ninth Revision of the International Classification of Diseases was developed before the identification of AIDS. Classification of this disease and related diseases has evolved since 1981. The deaths presented in Table C-11 and Table C-12 were coded using the most current schedule, developed in 1987. Therefore, comparison data prior to 1987 are not available.

In 1995, 937 Massachusetts residents died from AIDS and HIV-related illnesses. This represents a 110% increase from 1990, but it also marks the first time that the number of AIDS deaths did not exceed the previous year's deaths in Massachusetts. (In 1994, there 938 deaths from AIDS and HIV-related diseases which represented a 21% increase over 1993.) The lack of change in the number of deaths from AIDS and HIV-related diseases from 1994 to 1995 is likely due, in part, to improved treatment efforts that have resulted in increased longevity.

[2] Persons of Hispanic ethnicity are also included in the race categories, consistent with the U.S. Census population classification.

[3] Chronic Obstructive Pulmonary Disease.

[4] Excludes motor vehicle injuries.

[5] All Other Causes includes intentional and motor vehicle injuries and all other causes not specifically mentioned above.

DEATHS CERTIFIED BY MEDICAL EXAMINERS

The total number of deaths certified by medical examiners decreased from 4,290 in 1994 to 4,209 in 1995. Of the deaths certified by medical examiners, 50.9% were reported as a result of natural causes. The percentage of deaths due to natural causes (i.e., non-injury related causes) certified by medical examiners varies widely by county, from a high of 66.7% in Barnstable County to a low of 40.9% in Hampshire County. Hampden County had the greatest percentage of deaths (19.9%) that were referred to medical examiners, but with the certification retained by the attending physician, while the highest number of such deaths was in Middlesex County with 1,887 deaths (17.1%).

COMMUNITY HEALTH NETWORK AREAS (CHNA)

The Department of Public Health, in collaboration with health service providers, coalition members, and other interested citizens, has designated 27 geographic areas for community health planning. It is the Department's intention to foster in each of these areas the development of Community Health Networks--consortia of health care providers, human service agencies, schools, churches, youth, parents, elders, advocacy groups, and individual consumers--to address the health needs of the community. These community coalitions will participate in monitoring outcomes and the progress of strategies and responses to those health needs.

A Community Health Network Area (CHNA) is defined as an aggregation of cities and towns. (The city of Boston constitutes its own Community Health Network Area.) In this publication, we have presented some data by CHNA according to 1995 geographical definitions. It is hoped that the Networks will mobilize around key health issues impacting the community, promote prevention efforts, enhance access to health care, provide opportunities for more collaboration among agencies, and create a client-centered, outcome-oriented health service delivery system. Community Health Networks will also promote efficiency in service delivery by working to reduce duplication and overlap, and by identifying gaps, in service.

DEFINITIONS IMPORTANT FOR THIS SECTION INCLUDE:

AGE-ADJUSTED RATE

A procedure for adjusting rates, designed to minimize the effects of differences in age distribution when comparing rates for different populations. This procedure is accomplished by the computational process known as age standardization, whereby mortality statistics are adjusted to a reference population. For this publication, the reference population is the 1940 U.S. population, the same as used by the National Center for Health Statistics. The result of the process is a summary index that can be used to compare rates of different populations throughout the nation and over time.

CAUSE OF DEATH

The disease or injury that initiated the series of events leading to death, or the circumstances of the unintentional or intentional injury that resulted in the death.

DEATH CERTIFICATE

A vital record signed by a licensed physician that includes cause of death, decedent's name, sex, birth date, place of residence, and place of occurrence.

INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION

The International Classification of Disease (ICD) classifies mortality information for statistical purposes. The ICD was first used in 1900 and has since been revised about every 10 years. The Ninth Revision, published in 1977, is used to code mortality data beginning with 1979.

MISER

The Massachusetts Institute for Social and Economic Research. This research institute, located at the University of Massachusetts in Amherst, produces the official population estimates and projections for the Department of Public Health.

OCCURRENCE DEATH

Occurrence deaths include all deaths that occur within the state, including deaths of non-residents. An interstate exchange agreement among the 50 states and Canada provides for exchanges of copies of birth and death records. These records are used for statistical purposes only, and allow each state or province to track the births and deaths of residents.

RACE

For death records, race is provided by the death record informant (for example, spouse or next of kin).

RESIDENT DEATH

The death of a person whose usual place of residence or permanent address (as reported by the informant) is in one of the 351 cities or towns of Massachusetts, regardless of where the death took place. Unless otherwise noted, all data in this publication are resident data. An interstate exchange agreement among the 50 states, Canada, Puerto Rico, Guam, the Virgin Islands, and the District of Columbia provides for exchange of copies of birth and death records. These records are used for statistical purposes only, and allow each state or province to track the births and deaths of residents.

UNDERLYING CAUSE OF DEATH

The underlying cause of death is: 1.) the disease or injury that initiated the series of events leading to death, or 2.) the circumstances of the unintentional or intentional injury that resulted in the death. See Death Certificate.

RATES IMPORTANT FOR THIS SECTION INCLUDE:

AGE-SPECIFIC DEATH RATE	$\frac{\text{Number of Resident Deaths in Specific Age Group}}{\text{Total Population of Specific Age Group}} \times 100{,}000$
CAUSE-SPECIFIC DEATH RATE	$\frac{\text{Number of Resident Deaths for a Specific Cause}}{\text{Total Population}} \times 100{,}000$
CRUDE DEATH RATE	$\frac{\text{Number of Resident Deaths In A Year}}{\text{Total Population}} \times 100{,}000$

Figure C-1. Daily Death Statistics
Massachusetts: 1995

Every day in 1995, residents of Massachusetts experienced an average of:

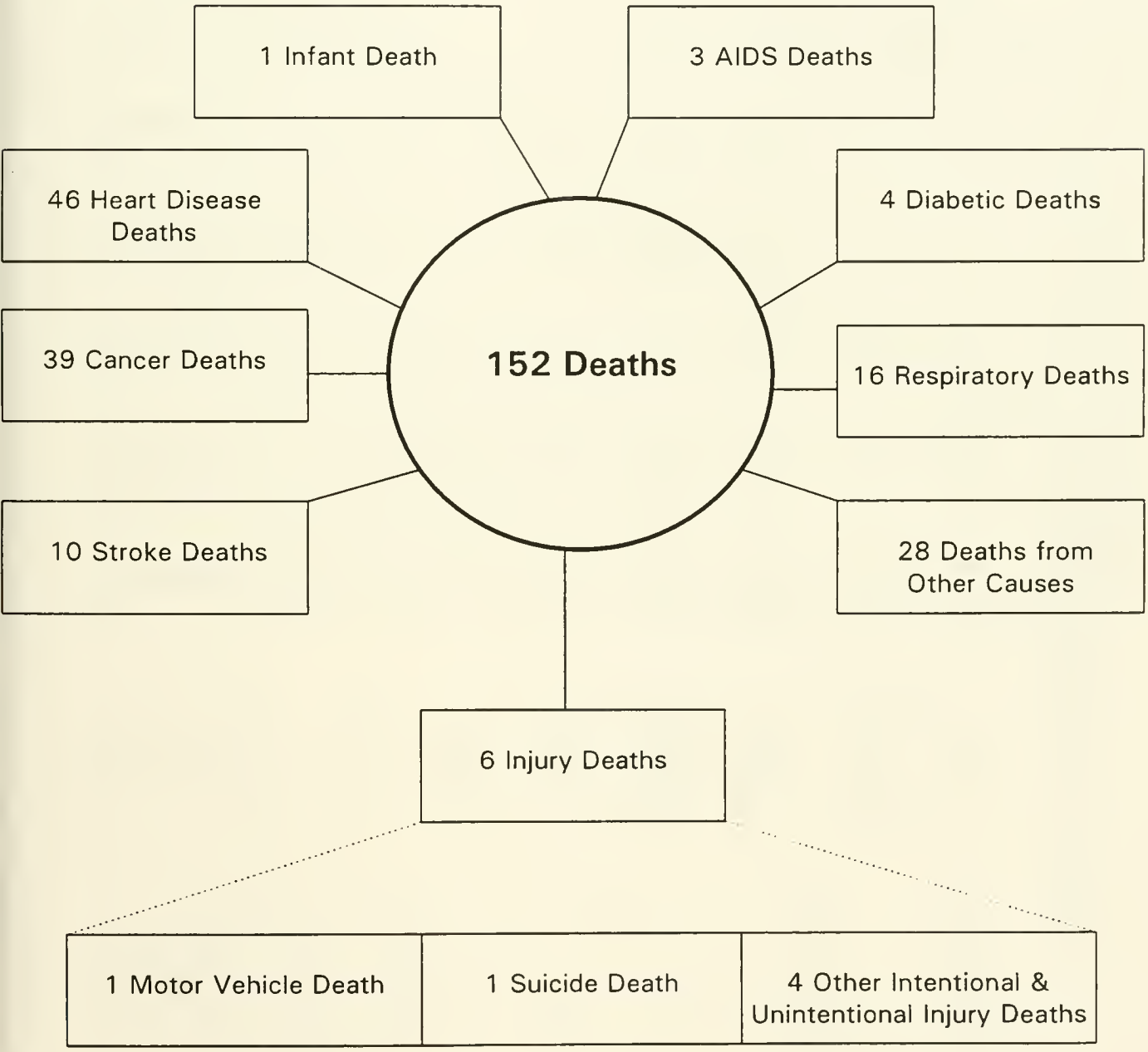


Table C-1. Trends in Mortality Characteristics[1] Massachusetts: 1980, 1985, 1990 - 1995

Year		1980	1985	1990	1991	1992	1993	1994	1995
Resident deaths	Number	54,934	55,597	53,008	53,010	53,804	55,557	54,914	55,296
	Crude rate[2,3,4]	957.5	946.0	881.0	877.9	887.7	913.3	899.4	902.4
	Age-adjusted rate[5]	550.7	523.7	471.7	461.5	463.2	474.5	453.6	443.7
Race of decedent[6]									
White	Number	53,251	53,580	50,779	50,814	51,525	53,182	52,465	52,721
	Percent	96.9	96.4	95.8	95.8	95.8	95.7	95.5	95.3
	Age-adjusted rate	549.1	498.9	465.6	455.8	453.8	467.6	446.1	434.2
Black	Number	1,508	1,779	1,879	1,887	1,957	1,969	2079	2,136
	Percent	2.8	3.2	3.5	3.6	3.6	3.5	3.8	3.9
	Age-adjusted rate	932.6	761.1	628.2	611.7	648.4	649.6	660.5	675.8
Other	Number	141	214	341	303	319	394	368	438
	Percent	0.3	0.4	0.6	0.5	0.6	0.7	.7	0.8
Unknown	Number	34	24	9	5	3	12	2	1
	Percent	-	-	-	-	-	-	-	-
Sex of decedent									
Female	Number	27,563	28,367	27,490	27,550	27,770	29,109	28,733	29,262
	Age-adjusted rate	377.9	362.0	360.0	352.7	361.7	364.0	347.3	341.4
Male	Number	27,369	27,230	25,518	25,460	26,034	26,448	26,181	26,034
	Age-adjusted rate	663.6	627.5	618.5	605.6	610.4	622.5	595.2	579.4
Age of decedent [7]									
< 1 year	Number	748	746	649	576	569	523	499	419
1-14 years	Number	297	246	205	207	225	239	192	204
15-24 years	Number	940	763	586	538	470	464	473	452
25-44 years	Number	2,117	2,303	2,682	2,912	3,062	3,055	3,210	3,196
45-64 years	Number	10,504	9,691	8,138	7,877	7,973	7,920	7,766	7,611
65 + years	Number	40,326	41,843	40,742	40,894	41,503	43,349	42,769	43,409

[1] Deaths presented in all tables and figures are resident deaths unless otherwise specified. [2] Deaths per 100,000 residents. [3] See Glossary for further definition of terms and rates. [4] Resident population data are interpolations of the 1980 and 1990 U.S. Census, and the 1990 U.S. Census and the 1995 MISER population projections. [5] Rates are age-adjusted per 100,000 residents using the 1940 U.S. Census standard population. [6] See other tables for recently available Hispanic data. [7] Column sum may not equal total because age of some decedents was unknown.

Figure C-2. Expected Years of Life Remaining at Different Ages for Males and Females by Race, Massachusetts: 1995

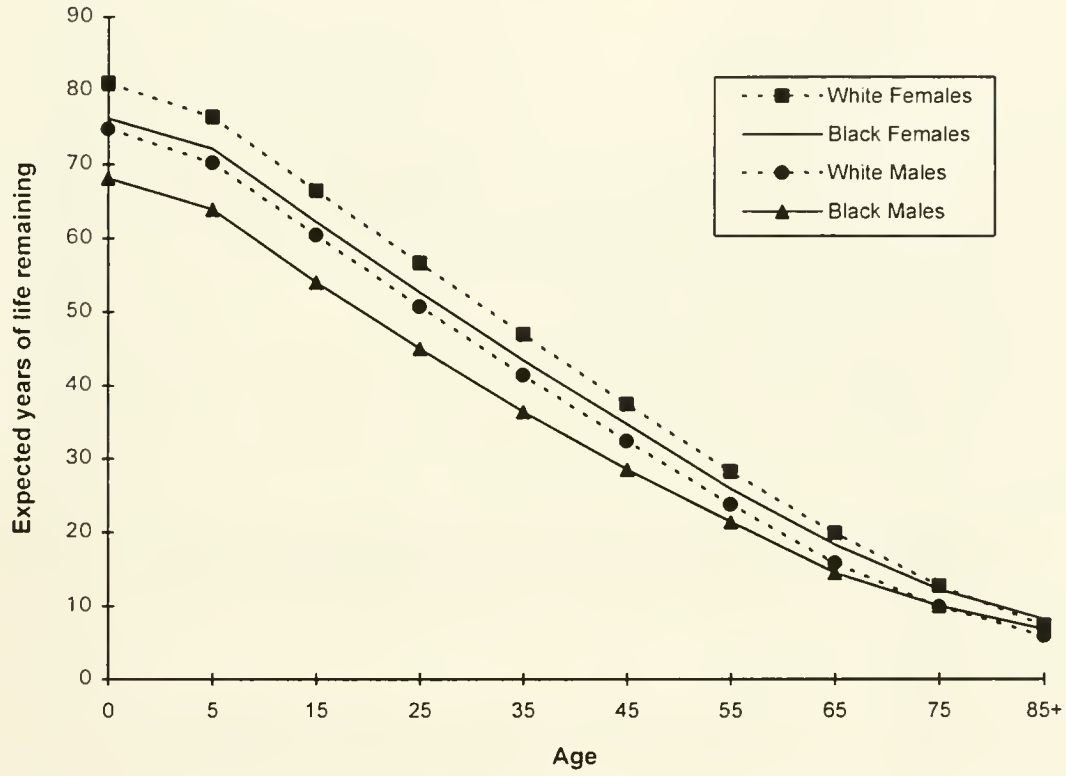
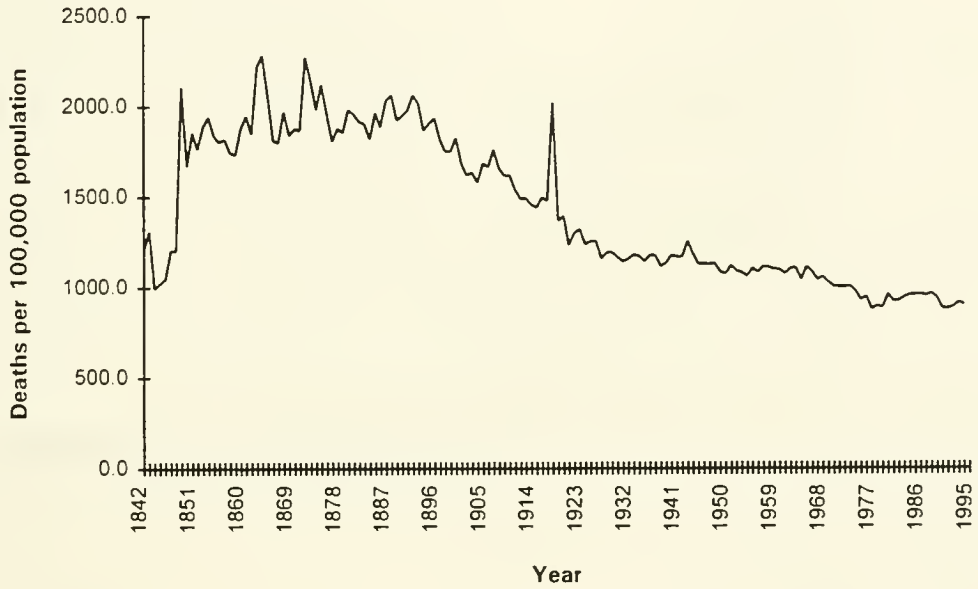


Table C-2. Five Leading Causes of Death[1] Age-Adjusted Rates[2] Massachusetts and United States: 1980, 1985, 1990-1995

Year		Heart disease[3]		Cancer		Stroke		Pneumonia/ Influenza		Unintentional Injuries		All Causes	
		MA	U.S.	MA	U.S.	MA	U.S.	MA	U.S.	MA	U.S.	MA	U.S.
1980	Rate[2]	197.7	202.0	136.6	132.8	34.2	40.8	16.7	12.9	30.4	42.3	550.7	585.8
	% of Total	39.9	38.2	22.2	20.9	7.9	8.6	4.0	2.7	3.9	5.3		
1985	Rate	178.7	180.5	140.2	133.6	27.3	32.3	14.7	13.4	25.2	34.7	523.7	546.1
	% of Total	37.9	37.2	23.5	22.0	6.8	7.3	4.0	3.2	3.4	4.5		
1990	Rate	138.2	150.3	136.7	133.0	22.5	27.6	14.2	13.5	19.4	32.7	471.7	515.1
	% of Total	33.4	33.5	25.3	23.4	6.2	6.7	4.3	3.6	2.9	4.3		
1991	Rate	130.7	146.1	137.1	132.6	21.1	26.5	14.1	12.6	18.0	31.7	461.5	507.9
	% of Total	32.2	33.2	26.0	23.8	6.2	6.6	4.5	3.5	2.7	4.2		
1992	Rate	128.5	144.5	139.6	133.2	21.1	26.1	13.6	12.7	15.9	29.2	463.2	504.9
	% of Total	31.7	33.1	26.3	23.9	6.2	6.6	4.5	3.5	2.4	4.0		
1993	Rate	132.4	145.3	138.2	132.6	21.7	26.5	16.3	13.5	16.2	30.3	474.5	513.3
	% of Total	31.7	32.6	25.2	23.4	6.1	6.6	5.0	3.6	2.4	3.9		
1994	Rate	120.9	140.4	132.6	131.5	20.4	26.5	14.7	13.0	15.3	30.3	453.6	507.4
	% of Total	30.8	32.1	25.3	23.4	6.1	6.7	4.8	3.6	2.4	4.0		
1995[4]	Rate	114.8	138.2	131.7	129.8	20.3	26.7	14.5	13.0	13.9	29.2	443.7	502.9
	% of Total	30.2	32.0	25.4	23.3	6.3	6.8	4.9	3.6	2.2	3.9		

[1] Cause of death: the disease or injury that initiated the events leading to death; or the circumstances of the unintentional or intentional injury that resulted in the death. [2] All rates are age-adjusted per 100,000 residents using the 1940 U.S. Census standard population. [3] International Classification of Diseases, Ninth Revision (ICD-9) codes used in this publication are listed in the Appendix. [4] The 1995 U.S. data are derived from an eighty to ninety percent sample of 1995 deaths. Source: Births and Deaths: United States, 1995, "Monthly Vital Statistics Report, Preliminary Data from the Centers for Disease Control and Prevention/National Center for Health Statistics", U.S. Department of Health and Human Services, Vol. 45, No. 3 Supplement 2 (October 4, 1996).

Figure C-3. Massachusetts Crude Death Rate: 1842[1] - 1995



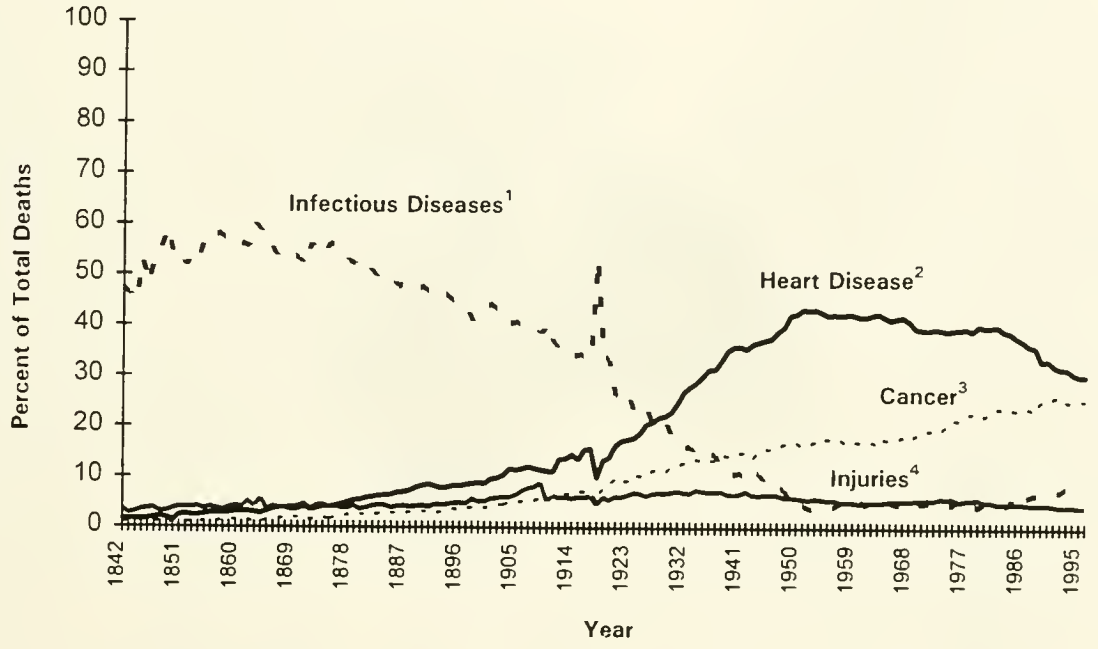
[1] In 1842, the Massachusetts state legislature mandated a statewide registration of vital statistics by community. However, not every community participated in the initial years.

Table C-3. Leading Causes of Death[1] by Age, All Persons, Massachusetts: 1995

Age	Cause of Death	Deaths	
		Number	Rate[2]
1-14 years	Cancer	45	4.2
	Unintentional injuries, excluding motor vehicle injuries	34	3.2
	Motor vehicle-related injuries	21	2.0
	Heart disease	12	1.1
	TOTAL	204	19.0
15-24 years	Motor vehicle-related injuries	110	12.7
	Homicide[3]	79	9.1
	Suicide	65	8.6
	Cancer	74	5.0
	TOTAL	452	52.3
25-44 years	AIDS and HIV-related diseases	715	35.7
	Cancer	492	24.6
	Heart disease	304	15.2
	Suicide	238	11.9
	TOTAL	3,196	159.5
45-64 years	Cancer	3,123	247.0
	Heart disease	1,857	146.9
	COPD[4]	235	18.6
	Cerebrovascular disease (stroke)	223	17.6
	TOTAL	7,611	602.0
65 + years	Heart disease	14,511	1,715.9
	Cancer	10,343	1,223.1
	Cerebrovascular disease (stroke)	3,160	373.7
	Pneumonia and Influenza	2,534	299.6
	TOTAL	43,409	5,133.2

[1] See Appendix for ICD-9 codes. [2] Number of deaths per 100,000 persons in each age group. [3]The NCHS categories for 72 selected causes of death combines Homicide (ICD-9 E960-969) and Legal Intervention (ICD-9 E970-978); in addition to the 79 homicides, there was one death due to legal intervention. [4]Chronic Obstructive Pulmonary Disease.

Figure C-4. Trends in Deaths from Selected Causes, Massachusetts: 1842-1995



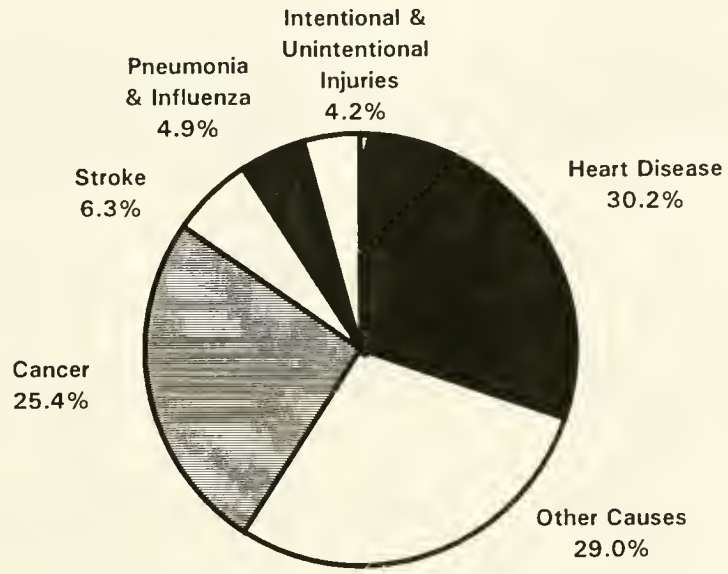
[1] The category of infectious diseases includes Infectious and Parasitic Diseases, ICD-9 codes 001-139, and Pneumonia and Influenza, ICD-9 codes 480-487
[2] Heart Disease, ICD-9 codes 390-398, 402, 404-429
[3] Cancer, ICD-9 codes 140-208
[4] Injuries, ICD-9 codes E800-E999

Table C-4. Leading Causes of Death[1] and Age-Adjusted Death Rates by Race and Hispanic Ethnicity [2], Massachusetts: 1995

White			Black			Hispanic		
Cause	#	Rate[3]	Cause	#	Rate	Cause	#	Rate
Total	52,721	434.2	Total	2,136	675.8	Total	934	428.8
Heart disease	16,195	114.4	Cancer	502	172.3	AIDS and HIV-related diseases	155	58.1
Cancer	13,397	130.2	Heart disease	444	144.7	Heart disease	140	77.9
Cerebrovascular disease (stroke)	3,333	20.0	AIDS and HIV-related diseases	223	67.0	Cancer	136	77.4
Pneumonia/Influenza	2,643	14.4	Cerebrovascular disease (stroke)	94	27.1	Homicide	41	14.2
COPD[4]	2,275	17.7	Homicide	86	25.6	Perinatal conditions	33	7.3
Diabetes	1,233	10.5	Diabetes	76	25.1	Unintentional injury, excluding motor vehicles	32	11.5
Nephritis	798	5.7	Pneumonia/Influenza	59	16.9	Diabetes	30	16.9
AIDS and HIV-related diseases	709	11.6	COPD	51	16.2	Cerebrovascular disease (stroke)	29	15.2
Other artery diseases	695	5.0	Nephritis	48	15.9	Motor vehicle injuries	28	11.0
Unintentional injury, excluding motor vehicles	689	6.7	Perinatal conditions	44	10.0	Suicide	27	10.1

[1]Ranking based on number of deaths. [2] Persons of Hispanic ethnicity are also included in the race categories, consistent with the U.S. Census population classification. [3]All rates are age-adjusted per 100,000 residents using the 1940 U.S.Census standard population. [4]Chronic Obstructive Pulmonary Disease.

Figure C-5. Percentage Distribution of Leading Causes of Death[1]
Massachusetts: 1995



[1] Number of total deaths = 55,296

Table C-5. Number and Age-Specific Rates for Selected Causes of Death by Race and Hispanic Ethnicity, Massachusetts: 1995

Selected Causes	Total		White		Black		Hispanic[1]	
	#	Rate[2]	#	Rate	#	Rate	#	Rate
Age: 1-14								
Cancer	45	4.2	38	4.0	4	--[3]	4	--
Unintentional injuries, excluding motor vehicle injuries	34	3.2	28	2.9	3	--	11	12.8
Motor vehicle-related injuries	21	2.0	15	1.6	4	--	2	--
Heart disease	12	1.1	11	1.2	1	--	2	--
TOTAL	204	19.0	165	17.3	26	31.4	33	38.5
Age: 15-24								
Motor vehicle-related injuries	110	12.7	102	13.1	7	12.1	9	16.0
Homicide[4]	79	9.1	37	4.8	40	69.0	18	32.0
Suicide	74	8.6	65	8.4	6	10.3	8	14.2
Cancer	43	5.0	36	4.6	5	8.6	1	--
TOTAL	452	52.3	365	47.0	73	125.9	49	87.0
Age: 25-44								
AIDS & HIV-related diseases	715	35.7	552	30.1	159	144.6	124	134.0
Cancer	492	24.6	432	23.5	40	36.4	17	18.4
Heart disease	304	15.2	275	15.0	27	24.6	16	17.3
Suicide	238	11.9	220	12.0	15	13.6	13	14.0
TOTAL	3,196	159.5	2,742	149.4	409	371.9	301	325.3
Age: 45-64								
Cancer	3,123	247.0	2,906	244.2	169	327.6	41	120.8
Heart disease	1,857	146.9	1,742	146.4	105	203.5	56	165.0
COPD[4]	235	18.6	220	18.5	11	21.3	5	14.7
Cerebrovascular disease (stroke)	223	17.6	201	16.9	17	33.0	9	26.5
TOTAL	7,611	602.0	7,003	588.6	509	986.7	231	680.8
Age: 65 +								
Heart disease	14,511	1,715.9	14,151	1,726.9	307	1,568.7	64	604.7
Cancer	10,343	1,223.1	9,985	1,218.5	284	1,451.2	73	689.7
Cerebrovascular disease (stroke)	3,160	373.7	3.070	374.7	67	342.4	13	122.8
Pneumonia & Influenza	2,534	299.6	2,472	301.7	45	229.9	8	75.6
TOTAL	43,409	5,133.2	42,111	5,139.1	1,051	5,370.5	261	2,466.1

[1] Persons of Hispanic ethnicity are also included in the race categories, consistent with the U.S. Census population classification [2] Number of deaths per 100,000 persons in each age group. [3] Calculations based on fewer than five events are excluded. [4]The NCHS categories for 72 selected causes of death combines Homicide (ICD-9 E960-969) and Legal Intervention (ICD-9 E970-978). In addition to a total of 79 homicides in the15-24 age group, there was 1 white male death due to legal intervention. [5]Chronic Obstructive Pulmonary Disease.

Table C-6. Heart Disease and Cancer Deaths by Race and Sex, Age-Adjusted Rates[1], Massachusetts: 1970-1995

Heart Disease

Year	White		Black	
	Male	Female	Male	Female
1970	355.2	168.9	331.5	181.6
1975	306.4	141.1	307.4	166.5
1980	282.9	135.6	296.2	166.8
1985	254.7	121.9	266.4	158.6
1990	192.5	96.3	222.8	119.0
1995	161.7	79.3	180.2	118.6

Cancer

Year	White		Black	
	Male	Female	Male	Female
1970	166.0	113.0	242.7	126.0
1975	172.4	116.4	210.4	113.3
1980	169.4	117.7	235.8	128.3
1985	170.7	121.4	207.5	120.8
1990	166.8	117.3	187.8	119.5
1995	159.8	111.0	224.9	136.5

[1] All rates are age adjusted per 100,000 residents using the 1940 U.S. Census standard population.

Table C-7. Number and Age-Adjusted Rates[1] of Cancer Deaths by Selected Causes[2] and Sex, Massachusetts: 1995

Cause of Death	ICD-9 Code	Total		Female		Male	
		#	Rate[3]	#	Rate	#	Rate
Total Cancer Deaths	140-208	14,046	131.7	7,029	112.0	7,017	161.9
Esophagus	150	324	3.3	78	1.1	246	5.4
Stomach	151	385	3.4	154	2.1	231	5.2
Colon, rectum, rectosigmoid junction & anus	153-154	1,640	13.4	859	11.1	781	17.0
Pancreas	157	714	6.5	397	5.7	317	7.5
Trachea, bronchus and lung	162	3,690	37.1	1,596	27.9	2,094	50.2
Melanoma of the skin	172	177	1.9	91	1.7	86	2.2
Female breast	174	1,233	21.8	1,233	21.8	---	---
Cervix	180	86	1.8	86	1.8	---	---
Body of uterus and of uterus, part unspecified	179,182	171	2.4	171	2.4	---	---
Ovary	183	306	5.3	306	5.3	---	---
Prostate	185	785	14.9	---	---	785	14.9
Bladder	188	324	2.3	118	1.2	206	4.0
Kidney and other and unspecified urinary organs	189	280	2.7	111	1.8	169	4.0
Brain and other and unspecified parts of nervous system	191,192	277	3.3	132	2.8	145	3.9
Hodgkin's disease	201	35	0.4	16	0.4	19	0.5
Non-Hodgkin's lymphoma	200,202 (except 202.4)	586	5.4	287	4.1	299	7.1
Multiple myeloma and other immunoproliferative neoplasms	203	243	2.1	120	1.8	123	2.6
Leukemia	202.4, 204-208	488	4.8	222	3.7	266	6.4
All other cancers	Residual	2,302	21.8	1,052	15.4	1,250	30.2

[1] All rates are age-adjusted by the direct method using the 1940 U.S. Census population. Rates are per 100,000 population. [2] The grouping of ICD-9 codes for selected causes of cancers used in this document was updated starting with Advance Data Deaths: 1994. Please refer to the Technical Notes in the Appendix for a detailed explanation. [3] The total resident population is used to calculate all "Total Rates" except for ICD-9 174 to 183, which are based on the total female population, and ICD-9 185, which is based on the total male population.

Table C-8. Selected Causes of Cancer Deaths by Age, Massachusetts: 1995

Age	Cause of death[1]	ICD-9 Code	Number	Age-specific rate[2]
1 - 14	Leukemia	202.4, 204-208	7	0.7
	Brain & other unspecified parts of the nervous system	191	3	--[3]
	Hodgkin's disease	201	1	---
	Cervix uteri	180	1	---
	TOTAL		22	2.1
15 - 24	Leukemia	202.4, 204-208	16	1.8
	Brain & other unspecified parts of the nervous system	191	5	0.6
	Hodgkin's disease	201	2	---
	Colon, rectum	153-154	2	---
	TOTAL		32	3.6
25 - 44	Female breast	174	92	9.1[4]
	Trachea, bronchus & lung	162	64	3.2
	Brain & other unspecified parts of the nervous system	191	42	2.1
	TOTAL		494	24.6
45 - 64	Trachea, bronchus & lung	162	933	75.6
	Female breast	174	362	56.3[4]
	Colon, rectum	153-154	277	22.5
	TOTAL		3,136	254.3
65 +	Trachea. bronchus & lung	162	2,626	312.8
	Colon, rectum	153-154	1,308	155.8
	Female breast	174	787	150.4[4]
	TOTAL		10,203	1,215.3

[1] The grouping of ICD-9 codes for selected causes of cancers used in this document has been updated starting with Advance Data Deaths: 1994. Please refer to the Technical Notes in the Appendix for a detailed explanation. [2] Number of deaths per 100,000 residents in each age group. [3]Calculations based on fewer than five events are excluded. [4] Calculation based on female population in specified age group.

Table C-9. Selected Causes of Cancer Deaths and Age-Adjusted Rates by Race & Hispanic Ethnicity, Massachusetts: 1995[1,2]

White			Black			Hispanic		
Cause	Number	Rate	Cause	Number	Rate	Cause	Number	Rate
Trachea, bronchus and lung	3,548	37.0	Trachea, bronchus and lung	107	40.5	Trachea, bronchus and lung	19	10.7
Colon, rectum, rectosigmoid junction, and anus	1,575	13.4	Colon, rectum, rectosigmoid junction, and anus	54	17.4	Colon, rectum, rectosigmoid junction, and anus	15	8.1
Female breast	1,178	21.6	Female breast	50	29.6	Female breast	11	11.7
Prostate	741	14.5	Prostate	39	32.3	Non-Hodgkin's lymphoma	11	7.0
Total Cancer	**13,397**	**130.2**	**Total Cancer**	**502**	**172.3**	**Total Cancer**	**136**	**77.4**

[1] The grouping of ICD-9 codes for selected causes of cancers was updated starting with Advance Data Deaths: 1994. Please refer to the Technical Notes in the Appendix for a detailed explanation. [2] All rates are age-adjusted by the direct method using the 1940 U.S. Census population. Rates are per 100,000 population. [3] Persons of Hispanic ethnicity are also included in the race categories, consistent with the U.S. Census population classification.

Figure C-6. Suicide, Homicide and Motor Vehicle Death Rates Massachusetts: 1844-1995

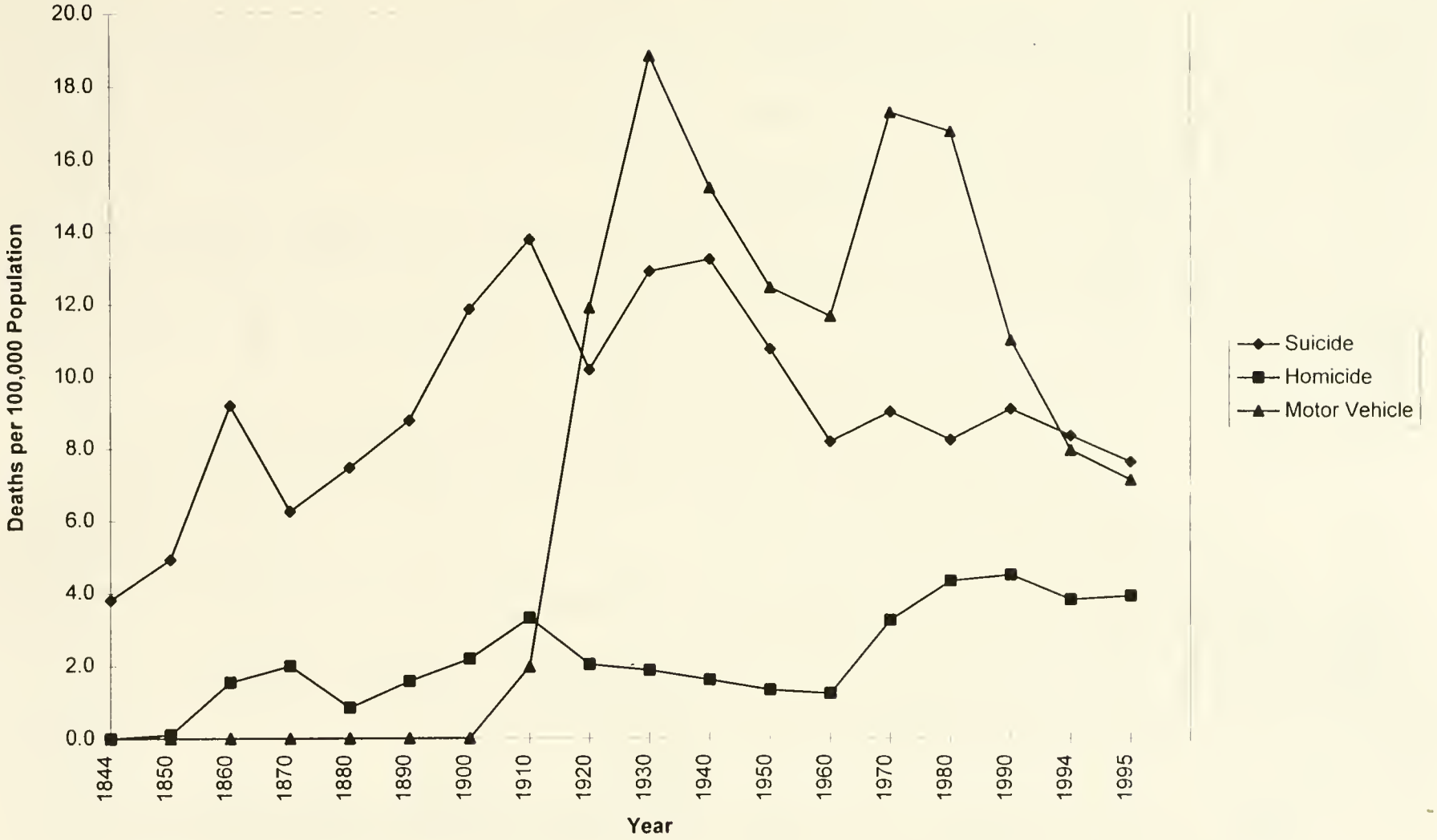


Table C-10. Injury Deaths by Sex, Age, Race and Hispanic Ethnicity: Numbers, Age-Adjusted, and Age-Specific Rates[1], Massachusetts: 1995

Cause of Death (ICD-9 Code)	All Injuries (E800-E999)		Motor Vehicle[2] (E810-E825)		Suicide (E950-E959)		Homicide[3] (E960-E969)		Other Injuries[4] (E800-E809, E826-E949, E970-E999)	
Age/Sex	**#[5]**	**Rate**	**#**	**Rate**	**#**	**Rate**	**#**	**Rate**	**#**	**Rate**
All Ages	**2,331**	**31.6**	**479**	**7.1**	**496**	**7.6**	**224**	**3.9**	**1,132**	**13.1**
<1[6]	11	13.5	0	0.0	0	0.0	3	---[7]	8	9.8
1-14	68	6.3	21	2.0	4	---	6	0.6	37	3.5
15-24	317	36.7	110	12.7	74	8.6	79	9.1	54	6.2
25-44	897	44.8	153	7.6	238	11.9	98	4.9	408	20.4
45-64	379	30.0	70	5.5	118	9.3	27	2.1	164	13.0
65+	655	77.5	124	14.7	62	7.3	10	1.2	459	54.3
All Females	**754**	**16.5**	**161**	**4.4**	**125**	**3.6**	**58**	**1.9**	**410**	**6.6**
<1	8	20.1	0	0.0	0	0.0	2	---	6	15.1
1-14	19	3.6	7	1.3	1	---	0	0.0	11	2.1
15-24	71	16.4	36	8.3	15	3.5	12	2.8	8	1.9
25-44	216	21.3	42	4.1	61	6.0	33	3.3	80	7.9
45-64	103	15.7	20	3.0	31	4.7	8	1.2	44	6.7
65+	337	64.0	56	10.6	17	3.2	3	---	261	49.5
All Males	**1,577**	**47.9**	**318**	**10.0**	**371**	**11.8**	**166**	**5.9**	**722**	**20.2**
<1	3	---	0	0.0	0	0.0	1	---	2	---
1-14	49	8.9	14	2.5	3	---	6	1.1	26	4.7
15-24	246	56.9	74	17.1	59	13.6	67	15.5	46	10.6
25-44	681	68.8	111	11.2	177	17.9	65	6.6	328	33.2
45-64	276	45.5	50	8.2	87	14.3	19	3.1	120	19.8
65+	318	99.8	68	21.3	45	14.1	7	2.2	198	62.1
Race/Sex										
All Whites	**2,106**	**30.1**	**448**	**7.1**	**460**	**7.6**	**133**	**2.4**	**1,065**	**13.0**
Females	695	15.6	155	4.5	112	3.5	42	1.5	386	6.2
Males	1411	45.7	293	10.0	348	12.0	91	3.4	679	20.3
All Blacks	**191**	**57.2**	**22**	**6.4**	**29**	**8.9**	**86**	**25.6**	**54**	**16.2**
Females	46	26.5	3	---	11	6.6	15	8.5	17	9.5
Males	145	90.6	19	11.6	18	11.5	71	43.5	37	24.0
All Hispanics[8]	**173**	**61.6**	**28**	**11.0**	**27**	**10.1**	**41**	**14.2**	**77**	**26.3**
Females	38	28.0	7	5.3	5	4.6	9	6.0	17	12.1
Males	135	96.1	21	17.1	22	15.5	32	22.5	60	41.0

[1] Number of deaths per 100,000 persons in each age group; rates for all rows except the age group rows are age adjusted. [2]Motor vehicle deaths to occupants, pedestrians, motorcyclists and bicyclists. [3]The NCHS categories for 72 selected causes of death combines Homicide (ICD-9 960-969) and Legal Intervention (ICD-9 970-978). In addition to 224 homicides there was one death caused by legal intervention to a white male, age 15-24, which is included under "Other Injury". [4] Other Injuries also includes deaths from drowning, fire and falls, as well as deaths of undetermined intent (deaths where investigation has not determined whether the injuries were accidental or purposely inflicted). [5] Column sum may not equal total because age or race of some decendents was not known. [6]The denominator used in this age group is the number of 1995 resident births. [7]Calculations based on fewer than five events are excluded. [8]Persons of Hispanic ethnicity are also included in the race categories, consistent with the U.S. Census population classification.

Table C-11. AIDS[1] and HIV-Related[2] Deaths[3] by Sex and Race/Ethnicity, Massachusetts: 1987-1995[4]

Year		Total[5]	Place of Occurrence				Sex	
			At Home	Hospital	Out of State	Hospice/ Other	Female	Male
1987	#	241	26	207	5	3	32	209
	%	100.0	10.8	85.9	2.1	-	13.3	86.7
1988	#	315	67	234	7	7	34	281
	%	100.0	21.3	74.3	2.2	2.2	10.8	89.2
1989	#	404	79	313	7	5	45	359
	%	100.0	19.6	77.5	1.7	1.2	11.1	88.9
1990	#	447	90	284	9	64	57	390
	%	100.0	20.1	63.5	2.1	14.3	12.8	87.2
1991	#	632	159	338	4	131	97	535
	%	100.0	25.2	53.5	-	20.7	15.4	84.6
1992	#	701	171	394	14	122	96	605
	%	100.0	24.4	56.2	2.0	17.4	13.7	86.3
1993	#	777	218	413	14	127	114	663
	%	100%	28.1	53.2	1.8	16.3	14.7	85.3
1994	#	938	265	514	13	142	175	763
	%	100%	28.3	54.8	1.4	15.1	18.7	81.3
1995	#	937	303	500	7	127	184	753
	%	100%	32.3	53.4	0.7	13.6	19.6	80.4

Year		Age					Race/Ethnicity			
		<15	15-24	25-34	35-44	45 +	White	Black	Other[6]	Hispanic[7]
1987	#	5	8	105	78	45	190	50	1	NA
	%	2.1	3.3	43.6	32.3	18.7	78.8	20.8	-	
1988	#	5	12	111	127	60	251	64	0	NA
	%	1.6	3.8	35.2	40.3	19.1	79.7	20.3	0.0	
1989	#	3	16	146	167	72	327	76	1	37
	%	-	4.0	36.1	41.3	17.8	81.0	18.8	-	9.2
1990	#	3	4	147	197	96	352	94	1	50
	%	-	-	32.8	44.1	21.5	78.8	21.0	-	11.2
1991	#	9	19	214	298	92	513	118	1	74
	%	1.4	3.0	33.8	47.2	14.6	81.2	18.7	-	14.4
1992	#	6	5	243	304	143	558	141	2	95
	%	0.8	0.7	34.7	43.4	20.4	79.6	20.1	-	13.6
1993	#	10	5	234	359	157	612	160	5	94
	%	1.3	0.6	30.1	46.2	20.2	78.7	20.6	0.6	12.1
1994	#	7	8	272	464	187	738	193	7	157
	%	0.7	0.9	29.0	49.5	19.9	78.7	20.6	0.7	16.7
1995	#	11	5	272	443	206	709	223	5	155
	%	1.2	0.5	29.0	47.3	22.0	75.7	23.8	0.5	16.5

[1] Acquired Immune Deficiency Syndrome. [2] Human Immunodeficiency Virus. [3] The deaths reported are cases for which AIDS or HIV-related disease was the underlying cause of death. There were an additional 106 deaths for which AIDS and HIV-related diseases were mentioned conditions. Mentioned conditions are other significant conditions contributing to death, but not resulting from the underlying cause. [4] The deaths presented were coded by using the most current ICD-9 classification schedule, which began with 1987 death data. [5] ICD Codes: AIDS-042, AIDS-like syndrome-043 and Other HIV infection-044. [6] The "Other" category represents Asians and American Indians. [7] Persons of Hispanic ethnicity are also included in the race categories, consistent with the U.S. Census population classification.

Table C-12. AIDS and HIV-Related Deaths by Race and Hispanic Ethnicity, Persons Ages 25-44, Massachusetts: 1989 - 1995

	White						Black						Hispanic[1]					
	Total		Female		Male		Total		Female		Male		Total		Female		Male	
Year	#	Rate[2]	#	Rate	#	Rate	#	Rate	#	Rate	#	Rate	#	Rate	#	Rate	#	Rate
1989	221	12.2	15	1.6	206	23.1	60	56.3	17	31.1	43	82.9	32	36.0	6	13.3	26	59.4
1990	270	14.7	22	2.4	248	27.2	73	65.4	23	40.4	50	91.6	40	42.4	4	-[3]	36	77.1
1991	412	22.4	51	5.5	361	39.7	99	89.2	28	49.3	71	131.1	55	58.6	16	33.7	39	84.1
1992	441	23.8	49	5.2	392	42.7	105	93.4	26	45.3	79	143.6	79	83.2	15	31.2	64	136.3
1993	467	25.1	60	6.4	407	44.2	122	108.4	31	53.8	91	165.6	76	79.7	19	39.4	57	120.9
1994	578	31.5	97	10.4	481	53.1	152	138.8	39	69.3	113	212.2	127	135.7	34	71.9	93	200.9
1995	552	30.1	95	10.2	457	50.4	159	144.6	47	83.4	112	208.8	124	134.0	34	72.6	90	196.9

[1] Persons of Hispanic ethnicity are also included in the race categories, consistent with the U.S. Census population classification. [2] Number of deaths per 100,000 residents in the specified population group. [3] Calculations based on fewer than five events are excluded.

Table C-13A. Medical Examiner Certified Deaths by Cause, Race, Sex and Age, Massachusetts Occurrence: 1995

Age	Race/Sex	Total Deaths Certified by Medical Examiner	Motor Vehicle Injuries (E810-E825)	Suicide (E950-E959)	Homicide (E960-E969)	Legal Intervention/ Undeter. Injury (E970-E999)	All Other Injuries (E800-E809, E826-E949)	Non-violent Causes (000-779)	Ill-Defined & Unknown Causes (780-799)
TOTAL[1]	White M	2,576	281	339	79	307	217	1,275	78
	F	1,199	154	111	41	72	100	685	36
	Black M	273	25	20	74	29	11	105	9
	F	99	4	11	15	6	8	51	4
	Other M	38	7	5	3	1	3	16	3
	F	24	4	2	1	0	7	9	1
	Total	4,209	475	488	213	415	346	2,141	131
< 1	White M	36	0	0	1	1	0	13	21
	F	18	0	0	2	1	3	3	9
	Black M	5	0	0	0	0	0	1	4
	F	5	0	0	0	0	1	2	2
	Other M	5	0	0	0	0	0	2	3
	F	2	0	0	0	0	0	1	1
	Total	71	0	0	3	2	4	22	40
1-14	White M	44	9	3	4	1	23	3	1
	F	17	5	2	0	0	5	5	0
	Black M	8	5	0	0	1	0	1	1
	F	3	0	0	0	1	2	0	0
	Other M	4	1	0	2	0	1	0	0
	F	3	1	0	0	0	2	0	0
	Total	79	21	5	6	3	33	9	2
15-19	White M	79	28	22	11	7	3	7	1
	F	25	14	2	3	1	2	2	1
	Black M	29	4	2	22	0	1	0	0
	F	7	1	2	1	1	1	0	1
	Other M	1	0	0	1	0	0	0	0
	F	0	0	0	0	0	0	0	0
	Total	141	47	28	38	9	7	9	3

[1] Total includes one white male of unknown age and four black males of unknown age.

Table C-13A (continued): Medical Examiner Certified Deaths by Cause, Race, Sex and Age, Massachusetts Occurrence: 1995

Age	Race/Sex	Total Deaths Certified by Medical Examiner	Motor Vehicle Injuries (E810-E825)	Suicide (E950-E959)	Homicide (E960-E969)	Legal Intervention/ Undeter. Injury (E970-E999)	All Other Injuries (E800-E809, E826-E949)	Non-violent Causes (000-779)	Ill-Defined & Unknown Causes (780-799)
20-29	White M	272	58	75	23	44	20	41	11
	F	81	22	22	9	13	3	10	2
	Black M	48	5	3	30	6	0	4	0
	F	14	2	3	4	1	0	4	0
	Other M	10	5	3	0	0	2	0	0
	F	8	2	1	1	0	2	2	0
	Total	433	94	107	67	64	27	61	13
30-39	White M	475	48	84	14	134	41	134	20
	F	153	23	29	12	29	6	43	11
	Black M	52	4	8	13	5	2	17	3
	F	19	0	2	7	2	0	7	1
	Other M	5	0	1	0	1	0	3	0
	F	1	0	1	0	0	0	0	0
	Total	705	75	125	46	171	49	204	35
40-49	White M	511	41	60	12	103	37	240	18
	F	164	16	24	8	20	9	79	8
	Black M	56	3	5	4	14	4	25	1
	F	16	0	2	3	0	1	10	0
	Other M	1	0	0	0	0	0	1	0
	F	2	1	0	0	0	1	0	0
	Total	750	61	91	27	137	52	355	27
50-59	White M	286	23	35	5	13	19	189	2
	F	88	7	12	3	3	5	54	4
	Black M	30	1	2	3	1	2	21	0
	F	11	1	2	0	1	1	6	0
	Other M	3	0	1	0	0	0	2	0
	F	2	0	0	0	0	1	1	0
	Total	420	32	52	11	18	28	273	6

Table C-13A (continued). Medical Examiner Certified Deaths by Cause, Race, Sex and Age, Massachusetts Occurrence: 1995

Age	Race/Sex	Total Deaths Certified by Medical Examiner	Motor Vehicle Injuries (E810-E825)	Suicide (E950-E959)	Homicide (E960-E969)	Legal Intervention/ Undeter. Injury (E970-E999)	All Other Injuries (E800-E809, E826-E949)	Non-violent Causes (000-779)	Ill-Defined & Unknown Causes (780-799)
60-69	White M	319	17	23	4	2	27	244	2
	F	152	18	7	2	2	12	111	0
	Black M	17	0	0	1	0	1	15	0
	F	8	0	0	0	0	2	6	0
	Other M	6	0	0	0	0	0	6	0
	F	2	0	0	0	0	0	2	0
	Total	504	35	30	7	4	42	384	2
70-79	White M	341	33	27	1	2	25	252	1
	F	242	28	9	1	2	21	181	0
	Black M	18	2	0	0	0	1	15	0
	F	9	0	0	0	0	0	9	0
	Other M	1	0	0	0	0	0	1	0
	F	2	0	0	0	0	1	1	0
	Total	613	63	36	2	4	48	459	1
80 +	White M	212	24	10	4	0	22	151	1
	F	259	21	4	1	1	34	197	1
	Black M	6	0	0	0	0	0	6	0
	F	7	0	0	0	0	0	7	0
	Other M	2	1	0	0	0	0	1	0
	F	2	0	0	0	0	0	2	0
	Total	488	46	14	5	1	56	364	2

Figure C-7. Proportion of Deaths Certified by Medical Examiner for Selected Causes of Death, Massachusetts Occurrence Deaths: 1995

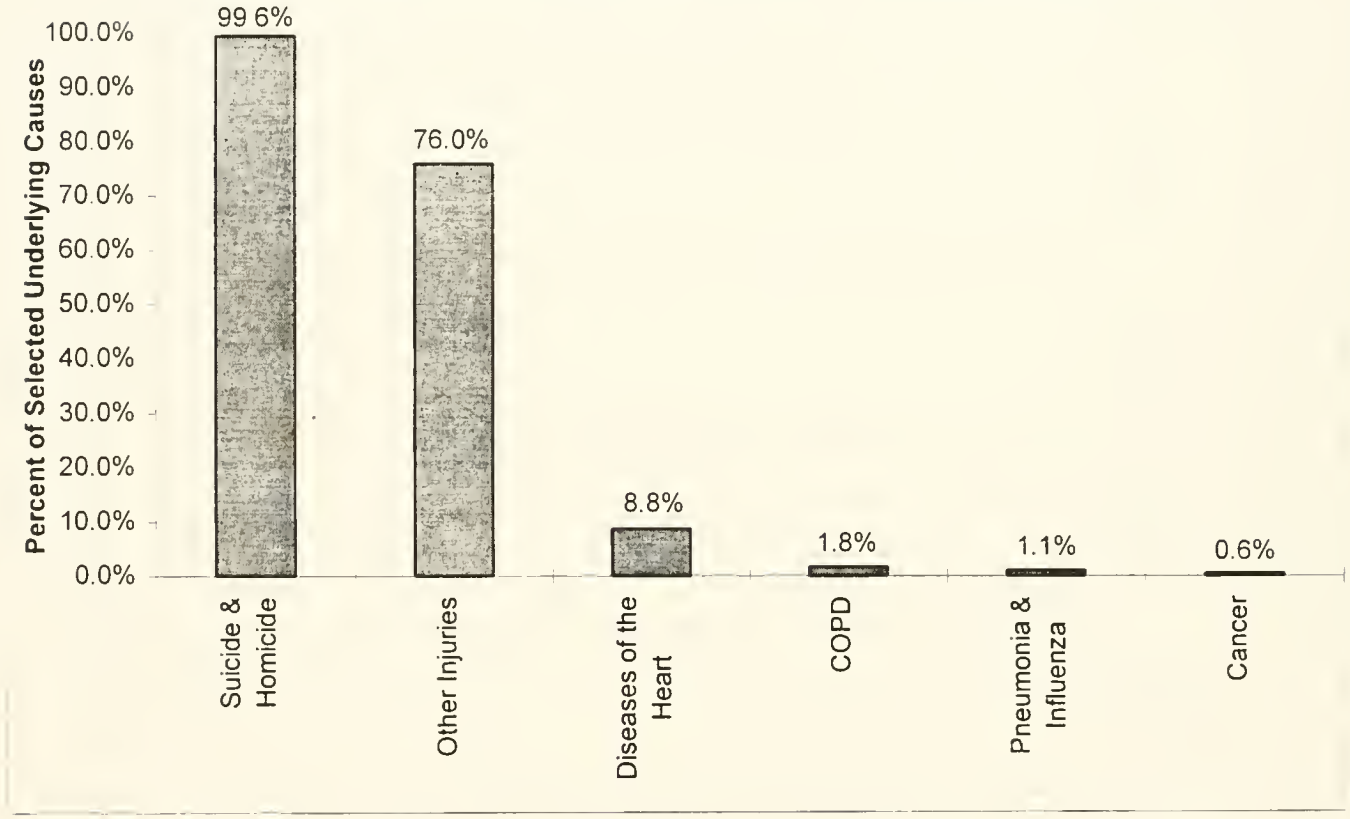


Table C-13B. Medical Examiner Certified Deaths by County, Massachusetts Occurrence: 1995

County		Population	Occurrence Deaths	M.E. Certified[1]	Referred--Not Certified By M.E.[1]	Natural Cause Deaths Certified by M.E.[2]
TOTAL	#	6,127,719	56,179	4,209	9,065	2,142
	%	100.0	100.0	7.5	16.1	50.9
	Rank	--	--	--	--	--
Barnstable	#	206,738	2,409	258	309	172
	%	3.4	4.3	10.7	12.8	66.7
	Rank	9	9	3	10	1
Berkshire	#	139,396	1,640	104	243	60
	%	2.3	2.9	6.3	14.8	57.7
	Rank	11	10	12	9	6
Bristol	#	503,412	4,525	323	702	174
	%	8.2	8.0	7.1	15.5	53.9
	Rank	6	7	8	8	8
Dukes	#	12,894	105	15	3	9
	%	0.2	0.2	14.3	4.8	60.0
	Rank	13	13	1	13	4
Essex	#	676,479	6,111	486	665	281
	%	11.0	10.9	7.9	10.9	57.8
	Rank	4	4	6	11	5
Franklin	#	72,475	567	43	60	26
	%	1.2	1.0	7.6	10.6	60.5
	Rank	12	12	7	12	3
Hampden	#	453,617	4,877	303	969	127
	%	7.4	8.7	6.2	19.9	41.9
	Rank	7	6	13	1	12
Hampshire	#	151,719	1,023	66	171	27
	%	2.5	1.8	6.4	16.7	40.9
	Rank	10	11	11	5	14
Middlesex	#	1,425,285	11,046	669	1,887	342
	%	23.3	19.7	6.1	17.1	51.1
	Rank	1	1	14	3	9
Nantucket	#	7,155	59	8	2	4
	%	0.1	0.1	13.6	3.4	50.0
	Rank	14	14	2	14	10
Norfolk	#	640,531	4,925	325	819	181
	%	10.4	8.8	6.6	16.6	55.7
	Rank	5	5	10	6	7
Plymouth	#	440,331	3,323	294	559	179
	%	7.2	5.9	8.8	16.8	60.9
	Rank	8	8	5	4	2
Suffolk	#	683,100	8,863	865	1,446	360
	%	11.1	15.8	9.8	16.3	41.6
	Rank	3	2	4	7	13
Worcester	#	714,587	6,706	450	1,230	200
	%	11.7	11.9	6.7	18.3	44.4
	Rank	2	3	9	2	11

[1] The percentages and ranks in the Medical Examiner Certified Deaths column and the Referred--Not Certified by Medical Examiner column are based on the totals in the Occurrence Deaths column. [2] The percentages and ranks of natural cause deaths certified by medical examiners are based on the total number of medical examiner certified deaths for each county.

Table C-14A. Selected Causes of Death by Municipality, Massachusetts: 1995

MUNICIPALITY	Total #	Total Death Rate[1]	Heart Disease #	Total Cancer #	Lung Cancer #	Breast[2] Cancer #	Stroke #	Motor Vehicle #	Homicide #	Pneumonia & Influenza #	COPD[3] #	Diabetes Mellitus #	Suicide #
STATE TOTAL	**55296**	**443.7**	**16704**	**14046**	**3690**	**1233**	**3456**	**479**	**224**	**2722**	**2343**	**1325**	**496**
ABINGTON	136	530.6	36	34	7	3	16	0	1	3	5	3	2
ACTON	86	315.6	20	30	6	2	5	0	0	6	6	1	1
ACUSHNET	84	391.2	33	31	8	1	3	0	0	2	2	2	0
ADAMS	125	413.9	45	29	5	4	9	0	0	4	4	3	1
AGAWAM	284	450.9	85	73	15	8	20	0	1	14	9	12	2
ALFORD	6	219.4	0	2	0	0	2	0	0	0	0	0	0
AMESBURY	145	505.2	50	38	8	5	11	0	0	1	5	4	1
AMHERST	125	480.8	42	20	5	4	7	2	0	4	3	5	0
ANDOVER	212	359.5	70	57	16	6	10	0	0	6	16	2	1
ARLINGTON	465	369.6	154	125	31	11	36	2	0	20	9	6	4
ASHBURNHAM	33	294.1	16	4	0	0	4	0	0	1	3	0	0
ASHBY	22	423.2	3	6	1	1	6	0	0	0	1	0	0
ASHFIELD	19	565.7	5	4	2	0	1	1	0	1	0	0	0
ASHLAND	83	396.4	21	21	4	1	7	1	0	4	6	2	0
ATHOL	124	462.8	38	39	16	4	5	2	0	5	5	1	1
ATTLEBORO	365	504.2	130	85	23	9	29	3	1	16	16	4	6
AUBURN	150	430.0	43	50	15	3	7	0	0	2	7	7	1
AVON	45	478.1	11	18	1	0	3	0	1	1	2	3	1
AYER	59	577.4	15	11	2	1	10	0	0	8	3	0	4
BARNSTABLE	518	436.4	144	140	43	9	34	4	4	35	18	18	7
BARRE	34	331.6	13	9	3	1	1	0	0	3	0	1	0
BECKET	4	240.5	1	1	1	0	0	1	0	0	0	0	0
BEDFORD	138	464.8	46	24	7	4	7	3	0	12	7	3	4
BELCHERTOWN	77	404.8	23	27	9	3	1	0	0	1	3	3	1
BELLINGHAM	107	515.4	31	28	7	2	10	2	0	2	5	4	0
BELMONT	237	290.3	71	61	11	6	25	1	0	17	5	4	2
BERKLEY	17	252.4	5	6	4	0	1	0	0	1	1	1	0
BERLIN	13	345.8	6	4	2	0	0	0	0	0	0	1	0
BERNARDSTON	11	279.4	5	3	1	0	0	0	0	1	0	0	0

Table C-14A. Selected Causes of Death by Municipality, Massachusetts: 1995

MUNICIPALITY	Total #	Total Death Rate[1]	Heart Disease #	Total Cancer #	Lung Cancer #	Breast[2] Cancer #	Stroke #	Motor Vehicle #	Homicide #	Pneumonia & Influenza #	COPD[3] #	Diabetes Mellitus #	Suicide #
BEVERLY	432	506.9	133	104	34	11	28	2	1	20	14	12	3
BILLERICA	225	438.5	67	63	18	5	3	3	0	12	11	6	4
BLACKSTONE	64	492.6	22	21	4	1	2	1	0	1	2	0	1
BLANDFORD	6	320.7	3	1	0	0	0	0	0	1	0	0	0
BOLTON	10	200.6	2	2	0	1	0	1	0	1	0	0	0
BOSTON	4932	503.1	1283	1147	304	90	277	39	84	236	171	120	42
BOURNE	180	446.0	64	51	16	0	11	1	0	11	3	4	1
BOXBOROUGH	14	389.8	2	4	2	1	2	2	0	1	0	0	0
BOXFORD	25	237.2	8	5	1	0	3	2	0	1	1	0	1
BOYLSTON	16	283.3	2	5	1	1	1	0	0	0	1	0	0
BRAINTREE	422	469.0	133	97	26	9	23	4	0	31	20	9	3
BREWSTER	105	375.6	33	17	7	2	11	1	0	6	6	2	0
BRIDGEWATER	123	435.0	46	32	9	6	9	2	0	2	3	3	1
BRIMFIELD	25	408.3	7	7	3	1	2	0	0	2	2	0	0
BROCKTON	869	563.7	269	192	65	18	44	13	8	47	39	21	10
BROOKFIELD	25	416.3	7	8	1	1	2	0	0	2	1	0	1
BROOKLINE	466	337.8	128	136	25	17	33	1	0	28	18	12	5
BUCKLAND	14	309.5	6	2	0	0	0	0	0	1	2	0	0
BURLINGTON	142	443.3	40	41	9	1	8	1	0	2	8	0	4
CAMBRIDGE	668	462.7	188	156	49	15	30	5	4	33	26	21	8
CANTON	232	493.0	71	60	18	2	21	0	0	12	6	7	3
CARLISLE	27	301.3	8	7	1	2	0	0	0	3	2	1	0
CARVER	70	375.3	16	28	6	5	0	1	0	0	2	6	1
CHARLEMONT	12	520.7	5	3	1	0	0	0	0	2	1	0	0
CHARLTON	86	467.3	32	13	5	0	3	1	1	4	7	4	0
CHATHAM	126	395.8	38	27	8	2	12	1	1	5	3	1	4
CHELMSFORD	233	375.6	72	66	17	6	14	1	0	11	12	4	4
CHELSEA	306	596.1	85	82	22	4	15	0	2	16	13	10	0
CHESHIRE	24	385.5	13	4	1	0	1	1	0	0	0	0	0
CHESTER	9	232.5	5	1	1	0	0	0	0	0	1	0	0

Table C-14A. Selected Causes of Death by Municipality, Massachusetts: 1995

MUNICIPALITY	Total #	Total Death Rate[1]	Heart Disease #	Total Cancer #	Lung Cancer #	Breast[2] Cancer #	Stroke #	Motor Vehicle #	Homicide #	Pneumonia & Influenza #	COPD[3] #	Diabetes Mellitus #	Suicide #
CHESTERFIELD	10	379.3	0	3	0	0	2	0	0	0	1	0	1
CHICOPEE	613	461.1	200	154	37	11	39	7	0	38	38	13	3
CHILMARK	7	258.6	3	2	0	0	0	0	0	1	1	0	0
CLARKSBURG	22	537.7	7	9	4	0	0	1	0	0	1	0	0
CLINTON	138	482.5	41	31	7	2	13	0	1	6	4	6	2
COHASSET	57	321.0	12	18	5	1	2	1	0	2	0	0	0
COLRAIN	18	443.7	6	4	0	0	1	0	0	1	0	0	0
CONCORD	153	330.0	44	35	9	4	14	1	0	11	3	3	2
CONWAY	10	332.4	2	2	2	0	1	0	0	1	1	1	0
CUMMINGTON	6	417.0	3	2	0	0	0	0	0	0	1	0	0
DALTON	65	399.7	23	14	5	2	8	0	0	1	5	3	1
DANVERS	246	371.0	99	56	13	6	16	3	0	15	8	3	0
DARTMOUTH	249	355.3	80	61	10	5	18	3	0	6	12	10	1
DEDHAM	208	355.1	62	59	15	5	10	1	0	12	8	6	3
DEERFIELD	42	381.4	19	11	5	0	0	0	0	1	4	1	0
DENNIS	218	409.6	61	47	15	3	21	1	0	7	11	7	2
DIGHTON	51	424.4	20	10	4	2	2	0	0	9	0	1	0
DOUGLAS	40	335.5	15	9	2	0	2	2	0	2	1	2	0
DOVER	29	285.2	7	8	2	0	3	0	0	2	2	0	0
DRACUT	210	458.8	72	53	20	7	8	2	1	9	8	3	4
DUDLEY	87	476.1	26	27	8	3	8	3	0	0	4	2	1
DUNSTABLE	18	401.8	3	9	1	3	2	0	0	0	0	1	0
DUXBURY	100	337.7	35	21	5	2	4	1	0	10	2	3	0
EAST BRIDGEWATER	92	454.2	31	16	4	0	6	0	0	1	4	6	2
EAST BROOKFIELD	16	370.3	2	4	2	0	1	0	0	2	2	0	0
EAST LONGMEADOW	186	508.7	75	41	8	6	11	2	1	5	11	2	1
EASTHAM	60	356.4	16	14	2	1	5	0	0	4	2	3	0
EASTHAMPTON	143	498.3	56	34	7	4	9	2	0	3	3	5	2

Table C-14A. Selected Causes of Death by Municipality, Massachusetts: 1995

MUNICIPALITY	Total #	Total Death Rate[1]	Heart Disease #	Total Cancer #	Lung Cancer #	Breast[2] Cancer #	Stroke #	Motor Vehicle #	Homicide #	Pneumonia & Influenza #	COPD[3] #	Diabetes Mellitus #	Suicide #
EASTON	132	429.3	42	35	6	4	4	1	0	11	8	4	0
EDGARTOWN	30	411.8	5	14	5	1	2	1	0	0	1	0	1
EGREMONT	8	212.5	1	3	1	1	1	0	0	0	0	0	0
ERVING	17	537.5	5	6	5	0	0	0	0	1	0	1	1
ESSEX	24	410.2	4	7	4	1	3	0	0	0	0	2	1
EVERETT	411	536.1	118	104	33	7	18	2	0	15	17	11	5
FAIRHAVEN	209	472.1	91	38	12	2	9	1	0	6	7	6	2
FALL RIVER	1114	540.6	376	264	65	19	77	12	3	40	60	42	9
FALMOUTH	355	484.0	105	89	22	7	18	0	1	12	26	9	2
FITCHBURG	423	479.3	143	86	18	6	25	2	2	17	13	10	5
FLORIDA	3	178.1	1	1	0	1	1	0	0	0	0	0	0
FOXBOROUGH	106	334.9	36	23	11	1	8	1	0	3	6	1	1
FRAMINGHAM	499	348.7	142	137	18	9	31	4	4	39	17	6	4
FRANKLIN	136	394.7	38	38	11	7	4	5	0	8	7	3	2
FREETOWN	35	290.3	14	10	3	2	2	0	0	3	0	1	0
GARDNER	208	447.7	73	48	10	5	8	2	0	18	10	9	0
GAY HEAD	1	289.1	0	1	0	0	0	0	0	0	0	0	0
GEORGETOWN	33	276.4	9	10	4	2	2	0	0	0	3	0	0
GILL	14	436.9	3	3	0	0	1	0	0	1	0	1	0
GLOUCESTER	288	431.3	82	71	16	5	14	1	0	18	11	8	7
GOSHEN	9	579.7	3	2	0	0	0	0	0	0	0	1	0
GOSNOLD	1	277.0	1	0	0	0	0	0	0	0	0	0	0
GRAFTON	101	431.2	28	23	10	2	7	0	0	7	6	7	1
GRANBY	37	363.4	6	12	1	2	3	3	0	1	1	1	1
GRANVILLE	5	165.1	2	1	0	0	1	0	0	1	0	0	0
GREAT BARRINGTON	123	639.7	25	34	5	5	12	3	0	7	10	4	1
GREENFIELD	245	511.9	68	60	9	7	16	4	1	17	9	6	0
GROTON	48	380.9	13	12	2	0	2	1	0	2	6	1	0
GROVELAND	41	399.8	11	10	3	0	6	0	0	3	0	1	0

Table C-14A. Selected Causes of Death by Municipality, Massachusetts: 1995

MUNICIPALITY	Total	Total Death Rate[1]	Heart Disease	Total Cancer	Lung Cancer	Breast[2] Cancer	Stroke	Motor Vehicle	Homicide	Pneumonia & Influenza	COPD[3]	Diabetes Mellitus	Suicide
	#		#	#	#	#	#	#	#	#	#	#	#
HADLEY	49	548.1	9	15	4	1	6	0	0	4	1	1	0
HALIFAX	50	318.8	12	17	4	2	5	0	0	3	6	2	0
HAMILTON	56	404.2	19	15	3	1	0	0	0	2	2	0	1
HAMPDEN	31	260.0	9	7	1	1	5	0	0	2	0	0	0
HANCOCK	5	260.0	1	1	0	0	0	0	0	0	0	0	0
HANOVER	73	380.5	32	16	6	3	2	0	0	5	6	0	0
HANSON	46	365.2	15	12	2	1	2	1	0	1	3	3	0
HARDWICK	21	300.2	8	7	0	0	1	1	0	0	1	0	0
HARVARD	25	396.5	7	12	5	1	0	0	0	1	0	0	0
HARWICH	172	385.0	50	40	10	3	15	1	0	5	6	4	1
HATFIELD	23	288.6	9	4	0	1	2	0	0	2	1	0	0
HAVERHILL	570	499.2	189	129	28	9	29	6	2	23	28	13	9
HAWLEY	0	0.0	0	0	0	0	0	0	0	0	0	0	0
HEATH	3	275.5	3	0	0	0	0	0	0	0	0	0	0
HINGHAM	152	349.8	38	44	8	7	16	1	0	7	15	2	1
HINSDALE	24	569.6	10	5	1	1	1	0	0	1	1	1	0
HOLBROOK	86	418.6	22	22	3	2	9	0	0	3	2	2	1
HOLDEN	123	372.5	31	36	7	4	2	1	1	10	8	1	1
HOLLAND	15	463.6	5	4	1	0	1	0	0	0	0	1	1
HOLLISTON	60	351.6	12	18	6	4	3	1	0	4	4	2	3
HOLYOKE	581	646.6	185	109	28	12	43	6	4	30	30	11	2
HOPEDALE	45	332.1	13	8	2	1	2	0	0	3	1	0	1
HOPKINTON	47	277.4	10	16	5	2	2	1	0	6	0	1	0
HUBBARDSTON	20	438.2	8	4	3	1	1	1	0	0	2	1	0
HUDSON	107	342.5	24	37	12	3	4	2	0	7	8	2	2
HULL	81	497.9	25	29	9	5	3	0	0	1	1	0	0
HUNTINGTON	14	449.2	4	2	1	0	0	0	0	2	0	1	0
IPSWICH	106	342.7	42	26	5	2	5	0	0	4	4	0	1
KINGSTON	87	457.9	29	20	5	1	2	1	0	4	2	1	0
LAKEVILLE	69	405.1	22	12	5	2	6	3	0	9	2	3	1

Table C-14A. Selected Causes of Death by Municipality, Massachusetts: 1995

MUNICIPALITY	Total #	Total Death Rate[1]	Heart Disease #	Total Cancer #	Lung Cancer #	Breast[2] Cancer #	Stroke #	Motor Vehicle #	Homicide #	Pneumonia & Influenza #	COPD[3] #	Diabetes Mellitus #	Suicide #
LANCASTER	49	430.4	18	8	5	0	4	1	1	3	3	0	0
LANESBOROUGH	31	496.1	10	9	1	1	0	0	0	1	2	1	0
LAWRENCE	566	519.0	190	131	40	12	37	7	10	18	21	17	7
LEE	71	544.8	24	21	3	2	1	0	0	3	5	1	0
LEICESTER	78	436.5	28	22	9	2	5	0	0	2	2	4	0
LENOX	80	529.2	22	18	5	2	3	1	0	8	4	4	0
LEOMINSTER	337	432.4	95	92	21	8	28	2	0	21	16	9	2
LEVERETT	9	339.6	2	3	2	0	0	0	0	2	0	2	0
LEXINGTON	254	278.4	80	68	11	9	19	2	0	21	8	3	0
LEYDEN	3	175.5	1	0	0	0	0	0	0	0	0	0	0
LINCOLN	24	167.6	7	10	1	0	1	0	0	2	0	0	0
LITTLETON	61	440.2	12	20	3	4	2	0	0	8	3	0	0
LONGMEADOW	140	305.6	38	42	10	3	10	0	0	13	4	1	1
LOWELL	948	551.5	265	213	58	24	72	9	8	53	43	21	8
LUDLOW	153	369.5	48	43	9	2	7	1	0	7	5	6	0
LUNENBURG	65	339.0	15	21	5	5	3	0	1	3	0	1	1
LYNN	826	516.5	266	204	62	16	44	7	6	43	38	14	4
LYNNFIELD	87	351.5	15	31	6	7	7	1	0	6	4	3	1
MALDEN	497	445.0	149	142	40	16	32	4	1	24	11	11	2
MANCHESTER	46	312.4	9	17	6	2	2	0	0	1	1	3	0
MANSFIELD	85	359.2	20	26	9	1	10	0	0	1	3	5	2
MARBLEHEAD	159	312.1	46	47	8	4	17	1	0	7	3	1	0
MARION	47	409.1	14	13	5	1	5	1	0	3	5	0	0
MARLBOROUGH	254	424.4	66	70	18	3	11	4	0	19	16	4	1
MARSHFIELD	178	493.9	49	56	11	7	7	1	0	3	6	8	4
MASHPEE	70	398.8	18	31	7	3	3	2	0	3	1	2	0
MATTAPOISETT	39	299.0	10	16	3	1	2	0	0	2	1	0	0
MAYNARD	67	319.6	19	17	5	1	5	1	0	5	2	2	0
MEDFIELD	52	286.6	13	19	4	3	3	1	0	0	1	0	0
MEDFORD	611	405.7	191	155	40	14	37	3	4	25	20	6	5

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MUNICIPALITY	Total #	Total Death Rate[1]	Heart Disease #	Total Cancer #	Lung Cancer #	Breast[2] Cancer #	Stroke #	Motor Vehicle #	Homicide #	Pneumonia & Influenza #	COPD[3] #	Diabetes Mellitus #	Suicide #
MEDWAY	76	471.7	29	15	6	2	3	1	0	2	7	1	1
MELROSE	288	400.2	87	77	14	5	29	3	0	13	14	3	4
MENDON	24	344.5	7	3	1	0	1	0	0	3	3	0	0
MERRIMAC	47	538.7	16	8	2	2	3	1	0	3	5	1	0
METHUEN	372	402.7	125	107	28	8	25	1	0	11	17	9	4
MIDDLEBOROUGH	163	512.7	52	46	18	4	5	2	0	13	4	3	2
MIDDLEFIELD	1	59.0	1	0	0	0	0	0	0	0	0	0	0
MIDDLETON	47	442.9	16	11	4	0	2	0	0	3	0	2	0
MILFORD	229	429.0	66	54	9	5	9	1	1	17	12	3	3
MILLBURY	116	407.1	41	22	4	4	8	1	0	6	4	5	1
MILLIS	45	359.3	21	12	3	0	2	1	0	2	0	0	0
MILLVILLE	11	322.6	3	4	1	0	1	0	0	1	0	0	0
MILTON	276	347.1	90	66	16	7	18	0	2	14	8	6	2
MONROE	1	897.8	1	0	0	0	0	0	0	0	0	0	0
MONSON	66	441.0	21	21	7	4	4	2	0	4	3	2	0
MONTAGUE	80	443.4	23	23	6	0	2	0	0	6	10	1	0
MONTEREY	6	208.0	0	4	2	0	1	1	0	0	0	0	0
MONTGOMERY	4	247.4	3	1	1	0	0	0	0	0	0	0	0
MOUNT WASHINGTON	1	92.3	1	0	0	0	0	0	0	0	0	0	0
NAHANT	49	430.5	15	17	5	2	4	1	0	4	0	0	0
NANTUCKET	59	392.3	16	16	1	0	4	0	0	6	4	2	1
NATICK	274	408.7	94	61	14	8	19	3	1	13	13	4	2
NEEDHAM	267	303.1	85	64	11	8	23	1	0	12	21	3	4
NEW ASHFORD	2	336.3	0	0	0	0	0	0	0	1	0	0	0
NEW BEDFORD	1111	502.8	350	272	66	22	75	10	6	37	56	23	9
NEW BRAINTREE	6	626.1	1	2	0	0	0	0	0	0	0	1	0
NEW MARLBOROUGH	10	230.4	1	3	0	0	1	0	0	0	1	1	0
NEW SALEM	6	355.4	3	1	1	0	0	0	0	0	0	0	0

Table C-14A. Selected Causes of Death by Municipality, Massachusetts: 1995

MUNICIPALITY	Total #	Total Death Rate[1]	Heart Disease #	Total Cancer #	Lung Cancer #	Breast[2] Cancer #	Stroke #	Motor Vehicle #	Homicide #	Pneumonia & Influenza #	COPD[3] #	Diabetes Mellitus #	Suicide #
NEWBURY	47	487.3	16	17	3	1	3	0	0	1	3	0	2
NEWBURYPORT	175	482.6	68	37	9	8	11	2	0	3	10	2	1
NEWTON	676	301.1	184	203	45	17	61	7	0	34	19	15	4
NORFOLK	52	399.6	13	14	3	3	2	0	0	1	5	1	1
NORTH ADAMS	187	476.6	59	45	12	5	12	3	0	3	7	5	0
NORTH ANDOVER	210	362.6	78	43	6	8	15	1	1	11	6	8	3
NORTH ATTLEBORO	159	395.1	47	44	9	4	13	3	0	5	8	1	0
NORTH BROOKFIELD	47	494.0	14	19	5	2	2	0	1	0	1	1	0
NORTH READING	94	402.5	38	25	10	0	5	1	0	1	6	3	0
NORTHAMPTON	311	484.2	90	70	29	3	26	2	0	21	16	11	4
NORTHBOROUGH	73	404.6	22	21	5	1	2	1	0	6	1	1	0
NORTHBRIDGE	143	455.3	29	33	5	3	6	0	0	16	4	4	0
NORTHFIELD	21	383.2	4	4	1	0	2	2	0	2	1	0	0
NORTON	110	511.9	36	31	11	4	6	1	1	5	2	2	3
NORWELL	88	425.9	31	23	6	2	5	0	0	4	4	4	0
NORWOOD	314	408.2	111	83	27	12	21	1	0	11	14	7	1
OAK BLUFFS	32	402.6	10	6	1	0	1	0	0	1	1	1	1
OAKHAM	9	290.0	0	5	2	0	2	0	0	0	1	0	0
ORANGE	65	441.9	24	15	2	3	1	3	1	2	6	1	0
ORLEANS	75	282.6	24	22	11	1	6	0	0	6	2	0	0
OTIS	7	298.5	3	1	0	0	0	0	0	0	1	0	0
OXFORD	102	460.4	39	24	5	3	4	1	0	7	5	4	1
PALMER	148	579.2	45	42	12	4	13	1	0	3	6	5	2
PAXTON	24	295.4	8	8	0	1	1	1	0	0	0	1	0
PEABODY	463	436.1	131	126	38	7	27	2	0	28	24	10	2
PELHAM	9	320.2	5	2	2	0	1	0	0	0	0	0	0
PEMBROKE	86	393.4	22	32	11	1	3	1	0	3	4	3	0
PEPPERELL	62	389.0	14	20	5	1	7	0	0	2	4	1	0
PERU	3	177.3	1	0	0	0	1	0	0	0	0	0	0

Table C-14A. Selected Causes of Death by Municipality, Massachusetts: 1995

MUNICIPALITY	Total #	Total Death Rate[1]	Heart Disease #	Total Cancer #	Lung Cancer #	Breast[2] Cancer #	Stroke #	Motor Vehicle #	Homicide #	Pneumonia & Influenza #	COPD[3] #	Diabetes Mellitus #	Suicide #
PETERSHAM	14	589.6	7	2	0	0	2	0	0	0	0	1	1
PHILLIPSTON	5	187.1	2	2	1	0	0	0	0	0	0	0	0
PITTSFIELD	542	474.1	182	134	38	15	39	4	0	25	32	13	3
PLAINFIELD	1	143.2	0	1	0	1	0	0	0	0	0	0	0
PLAINVILLE	47	371.0	7	19	5	1	3	1	0	1	1	2	1
PLYMOUTH	341	404 8	103	90	21	8	8	5	0	20	15	7	5
PLYMPTON	20	549.9	3	7	2	0	0	1	0	2	2	0	1
PRINCETON	17	238.1	4	3	1	0	2	0	0	1	0	0	0
PROVINCETOWN	66	818 4	16	11	5	2	1	0	0	3	2	1	2
QUINCY	983	492 2	279	291	72	25	53	8	2	48	41	21	16
RANDOLPH	313	449.0	95	97	27	7	18	7	0	16	9	8	5
RAYNHAM	75	388.2	21	22	6	1	5	3	1	4	2	2	0
READING	182	329 8	74	43	9	4	9	1	0	10	8	1	1
REHOBOTH	67	421.9	23	24	11	0	2	1	0	1	2	1	1
REVERE	498	477.3	165	124	37	11	18	1	1	24	21	16	6
RICHMOND	12	271.8	5	4	1	0	0	0	0	0	0	1	0
ROCHESTER	33	438.1	7	7	3	0	3	1	0	1	1	0	0
ROCKLAND	154	594.4	46	36	8	1	14	4	0	3	10	3	2
ROCKPORT	75	315.2	21	20	8	0	6	0	0	1	3	2	1
ROWE	0	0 0	0	0	0	0	0	0	0	0	0	0	0
ROWLEY	27	278.0	10	8	3	0	3	0	0	1	1	0	0
ROYALSTON	5	223.7	3	0	0	0	0	0	0	1	0	0	0
RUSSELL	11	395.9	4	1	0	0	0	0	0	1	2	0	0
RUTLAND	23	255.6	5	6	2	1	1	0	0	1	4	1	1
SALEM	403	452.4	134	99	35	3	26	7	0	23	15	9	3
SALISBURY	76	520.7	20	25	6	1	6	1	0	1	1	3	0
SANDISFIELD	9	354 4	3	2	0	0	0	0	0	1	1	0	0
SANDWICH	139	363.7	36	38	12	3	9	3	0	5	5	8	0
SAUGUS	270	470.2	90	80	18	4	19	1	0	13	4	1	2
SAVOY	7	643.7	1	2	1	0	1	0	0	0	0	0	0

Table C-14A. Selected Causes of Death by Municipality, Massachusetts: 1995

MUNICIPALITY	Total #	Total Death Rate[1]	Heart Disease #	Total Cancer #	Lung Cancer #	Breast[2] Cancer #	Stroke #	Motor Vehicle #	Homicide #	Pneumonia & Influenza #	COPD[3] #	Diabetes Mellitus #	Suicide #
SCITUATE	180	516.3	52	47	8	3	15	0	0	8	12	6	3
SEEKONK	91	323.9	36	28	5	2	6	0	0	1	0	0	0
SHARON	80	263.6	28	23	5	3	3	0	0	0	1	3	0
SHEFFIELD	27	356.6	10	8	1	0	1	0	0	0	1	1	0
SHELBURNE	29	434.4	8	7	1	1	4	0	0	2	0	0	0
SHERBORN	14	171.8	6	3	1	1	1	0	0	3	0	0	0
SHIRLEY	37	367.8	8	14	4	1	1	0	0	2	4	0	1
SHREWSBURY	217	415.3	54	58	17	8	10	3	0	15	9	1	3
SHUTESBURY	5	322.0	1	3	0	1	0	0	0	1	0	0	0
SOMERSET	183	411.5	61	51	15	3	12	1	0	5	3	8	0
SOMERVILLE	621	490.8	172	192	67	14	38	2	4	24	19	18	8
SOUTH HADLEY	178	468.1	52	49	11	4	18	0	0	8	10	3	2
SOUTHAMPTON	37	459.5	9	10	3	0	4	1	0	1	2	0	0
SOUTHBOROUGH	40	352.1	12	15	4	1	1	0	0	0	1	0	0
SOUTHBRIDGE	183	422.3	64	33	10	3	14	1	0	8	9	7	0
SOUTHWICK	71	566.6	26	16	6	2	6	2	0	2	5	0	1
SPENCER	85	393.3	25	22	7	2	5	2	1	3	4	4	4
SPRINGFIELD	1521	570.3	397	332	99	34	104	15	19	85	68	51	10
STERLING	30	292.8	8	9	4	1	2	1	0	2	0	2	1
STOCKBRIDGE	24	358.1	10	9	1	3	0	0	0	0	0	0	0
STONEHAM	213	407.8	52	65	16	2	9	1	0	10	8	5	2
STOUGHTON	231	396.2	82	64	16	4	15	3	1	11	6	5	4
STOW	30	294.8	6	9	1	3	4	0	0	3	1	0	0
STURBRIDGE	64	407.3	16	21	4	1	3	2	0	0	5	0	0
SUDBURY	59	283.2	15	18	7	2	2	0	0	2	6	1	1
SUNDERLAND	13	269.3	3	1	0	1	2	0	0	2	1	0	0
SUTTON	51	408.4	11	12	3	1	7	1	0	3	5	1	0
SWAMPSCOTT	162	418.9	52	42	6	3	11	1	2	9	2	3	2
SWANSEA	134	407.3	45	42	14	2	6	1	0	5	3	3	0
TAUNTON	520	505.5	177	107	32	6	36	6	1	30	30	11	2

Table C-14A. Selected Causes of Death by Municipality, Massachusetts: 1995

MUNICIPALITY	Total	Total Death Rate[1]	Heart Disease	Total Cancer	Lung Cancer	Breast[2] Cancer	Stroke	Motor Vehicle	Homicide	Pneumonia & Influenza	COPD[3]	Diabetes Mellitus	Suicide
	#		#	#	#	#	#	#	#	#	#	#	#
TEMPLETON	91	623.5	23	26	7	2	10	1	0	4	5	1	2
TEWKSBURY	201	463.5	47	52	13	3	12	2	2	10	15	9	0
TISBURY	31	350.6	10	12	1	2	0	1	0	0	1	0	0
TOLLAND	3	404.1	1	0	0	0	0	0	0	0	0	0	0
TOPSFIELD	27	250.4	11	3	1	0	2	1	0	0	3	0	0
TOWNSEND	37	274.8	11	12	3	0	5	0	0	2	0	3	1
TRURO	28	577.9	9	8	2	1	1	0	0	1	0	1	1
TYNGSBOROUGH	49	349.6	12	15	5	1	3	3	0	3	4	2	0
TYRINGHAM	3	965.3	1	1	0	0	0	1	0	0	0	0	0
UPTON	40	403.8	3	15	4	2	2	0	0	5	3	1	0
UXBRIDGE	65	365.1	17	23	4	3	5	4	0	1	3	0	3
WAKEFIELD	246	387.0	77	66	18	4	15	0	0	12	16	5	3
WALES	14	412.5	4	2	2	0	0	0	0	0	3	0	0
WALPOLE	138	302.0	41	36	8	5	5	0	0	7	4	2	2
WALTHAM	489	420.5	133	133	33	14	41	1	1	18	17	14	8
WARE	108	368.6	40	21	4	1	7	2	0	4	7	2	2
WAREHAM	221	478.1	75	60	20	4	13	3	1	5	10	5	3
WARREN	34	279.8	10	8	2	0	1	1	0	2	2	2	0
WARWICK	3	139.2	1	1	0	0	0	0	0	0	0	0	0
WASHINGTON	9	817.3	5	2	1	0	0	0	0	0	0	0	0
WATERTOWN	300	358.8	98	77	17	9	25	1	1	15	10	7	4
WAYLAND	109	421.7	29	30	5	3	11	2	0	8	7	1	1
WEBSTER	201	509.3	65	42	14	2	19	1	0	7	10	7	1
WELLESLEY	194	270.8	47	53	10	4	19	1	0	14	4	3	1
WELLFLEET	38	466.1	15	12	4	1	1	0	0	2	2	1	1
WENDELL	3	245.3	1	1	0	0	0	0	0	0	1	0	0
WENHAM	24	247.2	5	7	0	0	2	1	0	0	2	1	0
WEST BOYLSTON	57	346.0	19	16	4	0	6	0	0	2	3	1	0
WEST BRIDGEWATER	55	430.3	15	17	6	1	3	1	0	1	2	0	1

Table C-14A. Selected Causes of Death by Municipality, Massachusetts: 1995

MUNICIPALITY	Total	Total Death Rate[1]	Heart Disease	Total Cancer	Lung Cancer	Breast[2] Cancer	Stroke	Motor Vehicle	Homicide	Pneumonia & Influenza	COPD[3]	Diabetes Mellitus	Suicide
	#		#	#	#	#	#	#	#	#	#	#	#
WEST BROOKFIELD	40	396.3	14	9	0	3	2	0	0	6	0	1	0
WEST NEWBURY	24	298.5	7	6	1	1	1	1	0	1	0	2	0
WEST SPRINGFIELD	259	418.2	76	63	17	6	19	2	1	15	13	7	4
WEST STOCKBRIDGE	13	411.5	5	3	2	0	2	1	0	0	0	0	0
WEST TISBURY	10	276.4	3	4	1	0	1	0	0	0	0	0	0
WESTBOROUGH	132	343.8	41	22	6	2	11	1	0	15	4	5	0
WESTFIELD	329	404.7	128	79	22	9	15	4	0	18	8	7	3
WESTFORD	92	327.7	26	25	7	2	7	1	0	8	2	2	2
WESTHAMPTON	9	401.1	5	1	0	0	1	0	0	0	0	0	0
WESTMINSTER	38	308.9	14	9	3	2	2	0	0	1	2	1	1
WESTON	92	297.7	17	27	3	3	7	0	0	8	5	1	3
WESTPORT	99	305.4	25	28	7	1	6	2	0	5	3	2	0
WESTWOOD	133	388.2	37	39	7	2	7	1	0	8	8	2	0
WEYMOUTH	544	484.3	148	173	51	14	20	1	0	26	25	10	5
WHATELY	12	364.0	0	5	1	0	2	2	0	0	1	0	1
WHITMAN	101	517.2	31	23	3	2	4	3	0	6	8	7	0
WILBRAHAM	156	479.7	53	36	9	4	12	1	0	4	6	1	1
WILLIAMSBURG	20	417.3	7	3	1	0	0	0	0	0	2	1	1
WILLIAMSTOWN	90	435.8	27	16	2	1	5	0	0	5	8	0	1
WILMINGTON	154	477.8	47	40	11	6	10	0	0	11	6	4	1
WINCHENDON	78	420.0	27	18	4	2	7	1	0	6	1	3	0
WINCHESTER	178	322.0	54	48	9	4	21	1	0	8	8	5	0
WINDSOR	5	484.9	2	2	0	0	0	0	0	0	0	1	0
WINTHROP	224	511.9	88	50	11	3	9	2	2	14	10	5	1
WOBURN	308	425.7	89	88	21	10	17	3	0	10	17	7	2
WORCESTER	1885	545.5	589	433	134	32	87	12	9	113	74	39	16
WORTHINGTON	5	237.1	2	0	0	0	0	1	0	0	0	1	0
WRENTHAM	75	358.5	24	16	3	4	7	0	0	2	2	3	1
YARMOUTH	409	512.5	97	106	27	8	30	5	0	24	23	15	0

[1] All rates are age adjusted using the 1940 U.S. census standard population. [2] Includes only female breast cancer [3] Chronic Obstructive Pulmonary Disease

Table C-14B. Selected Causes of Death by CHNA, Massachusetts: 1995

CHNA	CHNA Code	Total	Total Death Rate[1]	Heart Disease	Total Cancer	Lung Cancer	Breast Cancer[2]	Stroke	Motor Vehicle	Homicide	Pneumonia Influenza	COPD[3]	Diabetes	Suicide
		#		#	#	#	#	#	#	#	#	#	#	#
STATE TOTAL		**55296**	**443.7**	**16704**	**14046**	**3690**	**1233**	**3456**	**479**	**224**	**2722**	**2343**	**1325**	**496**
Pittsfield	1	1548	452.1	499	387	93	43	102	17	0	60	83	39	7
Greenfield	2	803	419.5	249	205	56	17	40	14	2	50	42	16	4
Holyoke	3	2676	470.6	849	627	164	53	189	28	4	129	131	70	21
Springfield	4	3006	484.1	900	693	188	73	203	26	22	161	126	81	23
Southbridge	5	1090	438.3	351	264	76	25	71	14	3	47	58	35	9
Milford	6	1296	398.3	362	329	73	39	68	17	1	74	64	25	15
Framingham	7	1958	358.7	559	530	120	47	119	23	5	136	87	32	14
Worcester	8	2767	482.8	843	673	201	57	134	18	10	157	114	66	23
Fitchburg	9	1920	406.7	585	477	117	42	145	14	5	105	83	51	21
Lowell	10	1976	460.7	564	496	139	51	121	21	11	106	95	48	22
Lawrence	11	1407	425.9	479	349	94	34	89	9	11	49	60	38	15
Haverhill	12	1210	453.7	404	293	68	29	78	13	2	38	57	26	14
Beverly	13	1078	409.9	326	270	77	22	62	5	1	46	40	28	14
Lynn	14	2578	443.9	833	671	185	45	164	23	8	142	94	41	13
Woburn	15	2649	371.1	792	722	163	69	180	20	0	147	124	47	25
Medford	16	2547	475.7	796	657	183	55	129	12	10	118	92	59	19
Cambridge	17	2291	416.3	683	611	175	55	154	11	9	109	69	56	26
Newton	18	2554	330.8	700	722	151	70	204	13	1	136	102	56	28
Boston	19	4932	503.1	1283	1147	304	90	277	39	84	236	171	120	42
Quincy	20	3170	456.8	949	889	240	78	183	21	4	161	125	70	36
Attleboro	21	952	406.8	304	251	73	23	72	9	2	31	37	18	13
Brockton	22	1784	493.1	563	431	117	38	104	23	11	83	77	52	21
Plymouth	23	1763	419.2	520	496	117	49	88	18	0	76	90	48	17
Taunton	24	1053	443.7	356	255	85	17	63	15	2	68	41	22	6
Fall River	25	1530	478.1	507	385	101	25	101	16	3	55	69	55	9
New Bedford	26	2028	448.4	674	508	130	38	130	19	7	65	94	47	15
Cape/Island	27	2730	431.5	774	708	200	49	186	21	6	137	118	79	24

[1] All rates are age-adjusted using the 1940 U.S. census standard population. [2] Includes only female breast cancer [3] Chronic Obstructive Pulmonary Disease

Table C-14C. Selected Causes of Death by County, Massachusetts: 1995

County	Total	Total Death Rate[1]	Heart Disease	Total Cancer	Lung Cancer	Breast Cancer[2]	Stroke	Motor Vehicle	Homicide	Pneumonia Influenza	COPD[3]	Diabetes	Suicide
	#		#	#	#	#	#	#	#	#	#	#	#
State Total	**55296**	**443.7**	**16704**	**14046**	**3690**	**1233**	**3456**	**479**	**224**	**2722**	**2343**	**1325**	**496**
Barnstable	2559	436.2	726	653	191	46	178	19	6	129	110	76	21
Berkshire	1548	452.1	499	387	93	43	102	17	0	60	83	39	7
Bristol	4890	453.9	1632	1215	320	90	322	48	13	193	218	129	35
Dukes	112	360.4	32	39	8	3	4	2	0	2	4	1	2
Essex	6360	433.5	2057	1614	430	137	400	51	22	281	255	136	57
Franklin	655	417.5	199	162	39	13	33	12	2	44	37	14	2
Hampden	4630	490.3	1420	1076	288	107	312	43	26	245	214	119	31
Hampshire	1172	436.8	366	278	77	24	87	13	0	51	51	35	14
Middlesex	11473	396.4	3324	3074	778	283	775	88	31	609	471	236	119
Nantucket	59	392.3	16	16	1	0	4	0	0	6	4	2	1
Norfork	5714	398.2	1701	1591	398	150	348	42	6	279	233	124	63
Plymouth	3654	459.1	1116	946	260	90	202	46	10	167	174	99	39
Suffolk	5960	505.5	1621	1403	374	108	319	42	89	290	215	151	49
Worcester	6510	438.7	1995	1592	433	139	370	56	19	366	274	164	56

[1] All rates are age-adjusted using the 1940 U.S. census standard population. [2] Includes only female breast cancer. [3] Chronic Obstructive Pulmonary Disease

TABLE C-15
RESIDENT DEATHS BY CAUSE, SEX, AND RACE
1995

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			BLACK			OTHER		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
*001 139	I. INFECTIVE AND PARASITIC DISEASES	1900	1177	723	1595	972	623	285	191	94	20	14	6
001-009	INTESTINAL INFECTIOUS DISEASES	53	20	33	50	17	33	3	3	0	0	0	0
004	OTHER SALMONELLA INFECTIONS	3	1	2	3	1	2	0	0	0	0	0	0
007	OTHER PROTOZOAL INTESTINAL DISEASES	1	1	0	0	0	0	1	1	0	0	0	0
008	INTESTINAL INFECTIONS DUE TO OTHER ORGANISMS	43	16	27	42	15	27	1	1	0	0	0	0
009	ILL-DEFINED INTESTINAL INFECTIONS	6	2	4	5	1	4	1	1	0	0	0	0
010-018	TUBERCULOSIS	15	8	7	10	6	4	4	2	2	1	0	1
011	PULMONARY TUBERCULOSIS	11	7	4	8	5	3	3	2	1	0	0	0
013	TUBERCULOSIS OF MENINGES & CNS	1	0	1	0	0	0	1	0	1	0	0	0
017	TUBERCULOSIS OF OTHER ORGANS	1	0	1	1	0	1	0	0	0	0	0	0
018	MILIARY TUBERCULOSIS	2	1	1	1	1	0	0	0	0	1	0	1
020-027	ZOONOTIC BACTERIAL DISEASES	2	2	0	2	2	0	0	0	0	0	0	0
027	OTHER ZOONOTIC BACTERIAL DISEASES	2	2	0	2	2	0	0	0	0	0	0	0
030-041	OTHER BACTERIAL DISEASES	708	302	406	663	279	384	38	18	20	7	5	2
031	DISEASES DUE TO OTHER MYCOBACTERIA	12	9	3	10	9	1	2	0	2	0	0	0
036	MENINGOCOCCAL INFECTION	3	0	3	2	0	2	1	0	1	0	0	0
038	SEPTICEMIA	687	291	396	645	268	377	35	18	17	7	5	2
040	OTHER BACTERIAL DISEASES	2	1	1	2	1	1	0	0	0	0	0	0
041	BACTERIAL INF IN COND CE & OF UNSPECF SITE	4	1	3	4	1	3	0	0	0	0	0	0
042-044	AIDS, ARC AND ARV	937	753	184	709	588	121	223	160	63	5	5	0
042	AIDS	897	720	177	680	563	117	212	152	60	5	5	0
043	ARC, AIDS-LIKE SYNDROME	6	6	0	3	3	0	3	3	0	0	0	0
044	OTHER HIV INFECTION	34	27	7	26	22	4	8	5	3	0	0	0
045-049	POLIOMYELITIS AND OTHER ENTEROVIRUS DIS. OF CENTRAL NERVOUS SYSTEM	12	4	8	12	4	8	0	0	0	0	0	0
046	SLOW VIRUS INFECTION OF CNS	10	4	6	10	4	6	0	0	0	0	0	0
047	MENINGITIS DUE TO ENTEROVIRUS	1	0	1	1	0	1	0	0	0	0	0	0
049	OTHER NON-ARTHROPOD-BORNE VIRAL DIS OF CNS	1	0	1	1	0	1	0	0	0	0	0	0
050-057	VIRAL DISEASES ACCOMPANIED BY EXANTHEM	8	3	5	7	3	4	1	0	1	0	0	0
052	CHICKENPOX	3	1	2	2	1	1	1	0	1	0	0	0
053	HERPES ZOSTER	2	1	1	2	1	1	0	0	0	0	0	0
054	HERPES SIMPLEX	3	1	2	3	1	2	0	0	0	0	0	0
070-079	OTHER VIRAL DISEASES	79	47	32	66	40	26	8	4	4	5	3	2
070	VIRAL HEPATITIS	64	40	24	54	35	19	7	3	4	3	2	1
075	INFECTIOUS MONONUCLEOSIS	1	0	1	1	0	1	0	0	0	0	0	0
078	OTHER DIS DUE TO VIRUSES & CHLAMYDIAE	5	3	2	3	2	1	0	0	0	2	1	1
079	VIRAL INF IN COND CE & OF UNSPECIFIED SITE	9	4	5	8	3	5	1	1	0	0	0	0
090-099	SYPHILIS AND OTHER VENEREAL DISEASES	1	1	0	1	1	0	0	0	0	0	0	0
097	OTHER AND UNSPECIFIED SYPHILIS	1	1	0	1	1	0	0	0	0	0	0	0
110-118	MYCOSES	41	15	26	36	12	24	3	2	1	2	1	1
112	CANDIDIASIS	15	5	10	12	4	8	2	1	1	1	0	1
117	OTHER MYCOSES	26	10	16	24	8	16	1	1	0	1	1	0
130-136	OTHER INFECTIVE AND PARASITIC DISEASES	31	15	16	28	13	15	3	2	1	0	0	0
130	TOXOPLASMOSIS	1	0	1	1	0	1	0	0	0	0	0	0
135	SARCOIDOSIS	14	7	7	12	6	6	2	1	1	0	0	0
136	OTHER & UNSPECIFIED INFECTIOUS & PARASITIC DISEASES	16	8	8	15	7	8	1	1	0	0	0	0
137-139	LATE EFFECTS OF INFECTIOUS AND PARASITIC DISEASES	13	7	6	11	7	4	2	0	2	0	0	0
137	LATE EFFECTS OF TUBERCULOSIS	2	1	1	2	1	1	0	0	0	0	0	0
138	LATE EFFECTS OF ACUTE POLIOMYELITIS	5	3	2	5	3	2	0	0	0	0	0	0

TABLE C-15

1995

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			BLACK			OTHER		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	I. INFECTIVE AND PARASITIC DISEASES (CONTINUED)												
139	LATE EFFECTS OF OTH INFECT & PARASITIC DISEASES	6	3	3	4	3	1	2	0	2	0	0	0
*140 239	II. NEOPLASMS	14271	7109	7162	13619	6769	6850	505	262	243	146	77	69
140-149	MALIGNANT NEOPLASM OF LIP, ORAL CAVITY AND PHARYNX	224	144	80	207	134	73	13	6	7	4	4	0
140	MALIG NEOPLASM LIP	3	3	0	3	3	0	0	0	0	0	0	0
141	MALIG NEOPLASM TONGUE	54	37	17	51	36	15	3	1	2	0	0	0
142	MALIG NEOP MAJOR SALIVARY GLANDS	24	18	6	23	17	6	1	1	0	0	0	0
143	MALIG NEOPLASM GUM	4	1	3	3	1	2	1	0	1	0	0	0
144	MALIG NEOPLASM FLOOR OF MOUTH	2	1	1	2	1	1	0	0	0	0	0	0
145	MALIG NEOPLASM OTHER & UNSPECF PARTS OF MOUTH	38	21	17	35	20	15	3	1	2	0	0	0
146	MALIG NEOPPLASM OROPHARYNX	26	14	12	25	14	11	1	0	1	0	0	0
147	MALIG NEOPLASM NASOPHARYNX	19	14	5	15	10	5	0	0	0	4	4	0
148	MALIG NEOPLASM HYPOPHARYNX	6	4	2	5	3	2	1	1	0	0	0	0
149	MALIG NEOP OTH SITES W/IN LIP, ORAL CAVITY, PHARYNX	48	31	17	45	29	16	3	2	1	0	0	0
150-159	MALIGNANT NEOPLASM OF DIGESTIVE ORGANS AND PERITONEUM	3541	1826	1715	3359	1724	1635	133	77	56	49	25	24
150	MALIG NEOPLASM ESOPHAGUS	324	246	78	305	231	74	15	13	2	4	2	2
151	MALIG NEOPLASM STOMACH	385	231	154	351	212	139	22	13	9	12	6	6
152	MALIG NEOPLASM SMALL INTESTINE INCLUDING DUODENUM	23	11	12	23	11	12	0	0	0	0	0	0
153	MALIG NEOPLASM COLON	1356	627	729	1305	602	703	43	23	20	8	2	6
154	MALIG NEOPLASM RECTUM, RECTOSIGMOID JUNCT, ANUS	284	154	130	270	145	125	11	7	4	3	2	1
155	MALIG NEOPLASM LIVER & INTRAHEPATIC BILE DUCTS	293	186	107	260	166	94	17	10	7	16	10	6
156	MALIG NEOPLASM OF GALLBLADDER & EXTRAHEPATIC BILE DUCTS	107	35	72	105	35	70	1	0	1	1	0	1
157	MALIG NEOPLASM PANCREAS	714	317	397	685	303	382	24	11	13	5	3	2
158	MALIG NEOPLASM RETROPERITONEUM & PERITONEUM	9	2	7	9	2	7	0	0	0	0	0	0
159	MALIG NEOP OTH SITES W/IN DIGESTIVE ORGS/PERITONEUM	46	17	29	46	17	29	0	0	0	0	0	0
160-165	MALIGNANT NEOPLASM OF RESPIRATORY AND INTRATHORACIC ORGANS	3820	2191	1629	3671	2095	1576	113	75	38	36	21	15
160	MALIG NEOPLASM NASAL CAVITIES, MIDDLE EAR, SINUSES	16	9	7	15	8	7	0	0	0	1	1	0
161	MALIG NEOPLASM LARYNX	90	71	19	86	68	18	4	3	1	0	0	0
162	MALIG NEOPLASM TRACHEA, BRONCHUS, LUNG	3690	2094	1596	3548	2003	1545	107	71	36	35	20	15
163	MALIG NEOPLASM PLEURA	11	8	3	11	8	3	0	0	0	0	0	0
164	MALIG NEOPLASM THYMUS, HEART, MEDIASTINUM	13	9	4	11	8	3	2	1	1	0	0	0
170-175	MALIGNANT NEOPLASM OF BONE, CONNECTIVE TISSUE, SKIN, AND BREAST	1606	204	1402	1530	195	1335	66	8	58	10	1	9
170	MALIG NEOPLASM BONE & ARTICULAR CARTILAGE	39	21	18	33	19	14	4	2	2	2	0	2
171	MALIG NEOPLASM CONNECTIVE & OTH SOFT TISSUE	91	47	44	84	44	40	6	3	3	1	0	1
172	MALIG MELANOMA OF SKIN	177	86	91	174	84	90	2	1	1	1	1	0
173	OTHER MALIG NEOPLASM SKIN	57	41	16	53	40	13	3	1	2	1	0	1
174	MALIG NEOPLASM FEMALE BREAST	1233	0	1233	1178	0	1178	50	0	50	5	0	5
175	MALIG NEOPLASM MALE BREAST	9	9	0	8	8	0	1	1	0	0	0	0
179-189	MALIGNANT NEOPLASM OF GENITOURINARY ORGANS	2000	1174	826	1910	1120	790	80	48	32	10	6	4
179	MALIG NEOPLASM UTERUS, PART UNSPECIFIED	78	0	78	78	0	78	0	0	0	0	0	0
180	MALIG NEOPLASM CERVIX UTERI	86	0	86	78	0	78	6	0	6	2	0	2
182	MALIG NEOPLASM BODY OF UTERUS	93	0	93	88	0	88	5	0	5	0	0	0

TABLE C-15 (CONTINUED)

1995

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			BLACK			OTHER		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	II. NEOPLASMS (CONTINUED)												
183	MALIG NEOPLASM OVARY & OTHER UTERINE ADNEXA	308	0	308	296	0	296	10	0	10	2	0	2
184	MALIG NEOPLASM OTH & UNSPECF FEMALE GENITAL ORGANS	32	0	32	31	0	31	1	0	1	0	0	0
185	MALIG NEOPLASM PROSTATE	785	785	0	741	741	0	39	39	0	5	5	0
186	MALIG NEOPLASM TESTIS	9	9	0	9	9	0	0	0	0	0	0	0
187	MALIG NEOPLASM PENIS & OTHER MALE GENITAL ORGANS	5	5	0	5	5	0	0	0	0	0	0	0
188	MALIG NEOPLASM BLADDER	324	206	118	314	201	113	10	5	5	0	0	0
189	MALIG NEOPLASM KIDNEY & OTH & UNSPECF URINARY ORGANS	280	169	111	270	164	106	9	4	5	1	1	0
190-199	MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED SITES	1503	771	732	1420	725	695	56	28	28	26	17	9
190	MALIG NEOPLASM EYE	5	3	2	5	3	2	0	0	0	0	0	0
191	MALIG NEOPLASM BRAIN	272	142	130	265	139	126	5	2	3	2	1	1
192	MALIG NEOP OTHER & UNSPECF PARTS NERVOUS SYSTEM	5	3	2	5	3	2	0	0	0	0	0	0
193	MALIG NEOPLASM THYROID GLAND	27	13	14	27	13	14	0	0	0	0	0	0
194	MALIG NEOPLASM OTH ENDOCRINE GLANDS & RELATED	11	8	3	11	8	3	0	0	0	0	0	0
195	MALIG NEOPLASM OTHER & ILL-DEFINED SITES	114	66	48	102	58	44	7	4	3	5	4	1
199	MALIG NEOPLASM W/O SPECIFICATION OF SITE	1069	536	533	1005	501	504	44	22	22	19	12	7
200-208	NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUE	1352	707	645	1300	685	615	41	19	22	11	3	8
200	LYMPHOSARCOMA & RETICULOSARCOMA	18	13	5	16	12	4	1	0	1	1	1	0
201	HODGKIN'S DISEASE	35	19	16	33	18	15	2	1	1	0	0	0
202	OTHER MALIG NEOP LYMPHOID & HISTIOCYTIC TISSUE	569	287	282	554	279	275	12	7	5	3	1	2
203	MULTIPLE MYELOMA & IMMUNOPROLIFERATIVE NEOPS	243	123	120	226	116	110	17	7	10	0	0	0
204	LYMPHOID LEUKEMIA	125	75	50	123	74	49	1	0	1	1	1	0
205	MYELOID LEUKEMIA	222	110	112	209	107	102	7	3	4	6	0	6
206	MONOCYTIC LEUKEMIA	5	4	1	5	4	1	0	0	0	0	0	0
208	LEUKEMIA OF UNSPECIFIED CELL TYPE	135	76	59	134	75	59	1	1	0	0	0	0
210-229	BENIGN NEOPLASMS	29	5	24	28	5	23	1	0	1	0	0	0
211	BENIGN NEOPLASM OTH PARTS DIGESTIVE SYSTEM	3	1	2	3	1	2	0	0	0	0	0	0
212	BENIGN NEOP RESPIRATORY & INTRATHORACIC ORGANS	3	1	2	3	1	2	0	0	0	0	0	0
213	BENIGN NEOPLASM BONE & ARTCIULAR CARTILAGE	1	0	1	1	0	1	0	0	0	0	0	0
215	OTH BENIGN NEOP CONNECTIVE & OTHER SOFT TISSUE	1	1	0	1	1	0	0	0	0	0	0	0
216	BENIGN NEOPLASM SKIN	1	0	1	1	0	1	0	0	0	0	0	0
225	BENIGN NEOPLASM BRAIN & OTH PARTS NERVOUS SYSTEM	18	2	16	17	2	15	1	0	1	0	0	0
229	BENIGN NEOPLASM OTH & UNSPECIFIED SITES	2	0	2	2	0	2	0	0	0	0	0	0
235-238	NEOPLASMS OF UNCERTAIN BEHAVIOUR	47	15	32	47	15	32	0	0	0	0	0	0
235	NEOPLASM OF UNCERT BEHAV DIGESTIVE & RESPIRATORY SYS	7	2	5	7	2	5	0	0	0	0	0	0
237	NEOPLASM OF UNCERT BEHAV ENDOCRINE GLANDS & NERVOUS SYS	3	3	0	3	3	0	0	0	0	0	0	0
238	NEOPLASM UNCERT BEHAV OTHER & UNSPECF SITES & TISSUES	37	10	27	37	10	27	0	0	0	0	0	0
239-239	NEOPLASM OF UNSPECIFIED NATURE	149	72	77	147	71	76	2	1	1	0	0	0
239	NEOPLASMS OF UNSPECIFIED NATURE	149	72	77	147	71	76	2	1	1			

TABLE C-15

1995

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS TOT	TOTALS MALE	TOTALS FEM	WHITE TOT	WHITE MALE	WHITE FEM	BLACK TOT	BLACK MALE	BLACK FEM	OTHER TOT	OTHER MALE	OTHER FEM
*240 279	III. ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES	1900	807	1093	1783	757	1026	98	42	56	19	8	11
240-246	DISORDERS OF THYROID GLAND	35	5	30	35	5	30	0	0	0	0	0	0
241	NONTOXIC NODULAR GOITER	1	0	1	1	0	1	0	0	0	0	0	0
242	THYROTOXICOSIS WITH OR W/O GOITER	5	0	5	5	0	5	0	0	0	0	0	0
244	ACQUIRED HYPOTHYROIDISM	29	5	24	29	5	24	0	0	0	0	0	0
250-259	DISEASES OF OTHER ENDOCRINE GLANDS	1343	607	736	1251	570	681	76	30	46	16	7	9
250	DIABETES MELLITUS	1325	599	726	1233	562	671	76	30	46	16	7	9
251	OTH DISORDERS OF PANCREATIC INTERNAL SECRETION	3	2	1	3	2	1	0	0	0	0	0	0
252	DISORDERS OF PARATHYROID GLAND	2	1	1	2	1	1	0	0	0	0	0	0
253	DISORDERS PITUITARY GLAND & HYPOTHALMIC CONTROL	5	2	3	5	2	3	0	0	0	0	0	0
255	DISORDERS OF ADRENAL GLANDS	6	2	4	6	2	4	0	0	0	0	0	0
259	OTHER ENDOCRINE DISORDERS	2	1	1	2	1	1	0	0	0	0	0	0
260-269	NUTRITIONAL DEFICIENCIES	74	24	50	72	23	49	2	1	1	0	0	0
260	KWASHIORKOR	1	1	0	1	1	0	0	0	0	0	0	0
261	NUTRITIONAL MARASMUS	3	1	2	2	1	1	1	0	1	0	0	0
263	OTH & UNSPECF PROTEIN-CALORIE MALNUTRITION	67	20	47	66	19	47	1	1	0	0	0	0
266	DEFICIENCY OF B-COMPLEX COMPONENTS	1	0	1	1	0	1	0	0	0	0	0	0
269	OTHER NUTRITIONAL DEFICIENCIES	2	2	0	2	2	0	0	0	0	0	0	0
270-279	OTHER METABOLIC AND IMMUNITY DISORDERS	448	171	277	425	159	266	20	11	9	3	1	2
272	DISORDERS OF LIPOID METABOLISM	40	17	23	37	15	22	3	2	1	0	0	0
273	DISORDERS OF PLASMA PROTEIN METABOLISM	17	10	7	17	10	7	0	0	0	0	0	0
275	DISORDERS OF MINERAL METABOLISM	13	9	4	12	8	4	1	1	0	0	0	0
276	DISORDERS FLUID, ELECTROLYTE, ACID-BASE BALANCE	255	66	189	249	65	184	4	1	3	2	0	2
277	OTHER & UNSPECIFIED DISORDERS OF METABOLISM	36	12	24	36	12	24	0	0	0	0	0	0
278	OBESITY & HYPERALIMENTATION	39	21	18	38	21	17	1	0	1	0	0	0
279	DISORDERS INVOLVING THE IMMUNE MECHANISM	48	36	12	36	28	8	11	7	4	1	1	0
*280 289	IV. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS	234	96	138	219	89	130	13	6	7	2	1	1
281	OTHER DEFICIENCY ANEMIAS	3	1	2	3	1	2	0	0	0	0	0	0
282	HEREDITARY HEMOLYTIC ANEMIAS	6	3	3	1	1	0	5	2	3	0	0	0
283	ACQUIRED HEMOLYTIC ANEMIAS	4	0	4	4	0	4	0	0	0	0	0	0
284	APLASTIC ANEMIA	28	13	15	28	13	15	0	0	0	0	0	0
285	OTHER AND UNSPECIFIED ANEMIAS	55	18	37	51	16	35	3	2	1	1	0	1
286	COAGULATION DEFECTS	34	14	20	33	13	20	0	0	0	1	1	0
287	PURPURA & OTHER HEMORRHAGIC CONDITIONS	16	6	10	14	5	9	2	1	1	0	0	0
288	DISEASES OF WHITE BLOOD CELLS	9	3	6	9	3	6	0	0	0	0	0	0
289	OTHER DISEASES OF BLOOD & BLOOD-FORMING ORGANS	79	38	41	76	37	39	3	1	2	0	0	0

TABLE C-15 (CONTINUED)

1995

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS TOT	TOTALS MALE	TOTALS FEM	WHITE TOT	WHITE MALE	WHITE FEM	BLACK TOT	BLACK MALE	BLACK FEM	OTHER TOT	OTHER MALE	OTHER FEM
*290 319	V. MENTAL DISORDERS	1103	387	716	1054	362	692	44	21	23	5	4	1
290-294	ORGANIC PSYCHOTIC CONDITIONS	448	129	319	424	117	307	22	10	12	2	2	0
290	SENILE & PRESENILE ORGANIC PSYCHOTIC CONDITIONS	440	123	317	416	111	305	22	10	12	2	2	0
291	ALCOHOLIC PSYCHOSES	5	4	1	5	4	1	0	0	0	0	0	0
294	OTHER ORGANIC PSYCHOTIC CONDITIONS (CHRONIC)	3	2	1	3	2	1	0	0	0	0	0	0
295-299	OTHER PSYCHOSES	407	108	299	398	104	294	9	4	5	0	0	0
295	SCHIZOPHRENIC DISORDERS	14	5	9	14	5	9	0	0	0	0	0	0
296	AFFECTIVE PSYCHOSES	3	0	3	3	0	3	0	0	0	0	0	0
298	OTHER NONORGANIC PSYCHOSES	390	103	287	381	99	282	9	4	5	0	0	0
300-316	NEUROSES, PERSONALITY DISORDERS, AND OTHER NONPSYCHOTIC DISORDERS	240	146	94	224	137	87	13	7	6	3	2	1
303	ALCOHOL DEPENDENCE SYNDROME	99	83	16	94	79	15	3	2	1	2	2	0
304	DRUG DEPENDENCE	5	2	3	3	1	2	1	1	0	1	0	1
305	NONDEPENDENT ABUSE OF DRUGS	28	22	6	23	18	5	5	4	1	0	0	0
307	SPECIAL SYMPTOMS OR SYNDROMES NEC	2	1	1	2	1	1	0	0	0	0	0	0
310	SPEC NONPSYCH MENTAL DIS DUE TO ORGANIC BRAIN DAMAGE	96	35	61	93	35	58	3	0	3	0	0	0
311	DEPRESSIVE DISORDER NEC	10	3	7	9	3	6	1	0	1	0	0	0
317-319	MENTAL RETARDATION	8	4	4	8	4	4	0	0	0	0	0	0
318	OTHER SPECIFIED MENTAL RETARDATION	2	1	1	2	1	1	0	0	0	0	0	0
319	UNSPECIFIED MENTAL RETARDATION	6	3	3	6	3	3	0	0	0	0	0	0
*320 389	VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	1542	665	877	1487	640	847	44	20	24	11	5	6
320-326	INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM	31	12	19	27	9	18	3	2	1	1	1	0
320	BACTERIAL MENINGITIS	5	1	4	4	0	4	1	1	0	0	0	0
322	MENINGITIS OF UNSPECIFIED CAUSE	8	6	2	6	4	2	1	1	0	1	1	0
323	ENCEPHALITIS, MYELITIS & ENCEPHALOMYELITIS	8	2	6	7	2	5	1	0	1	0	0	0
324	INTRACRANIAL & INTRASPINAL ABCESS	6	2	4	6	2	4	0	0	0	0	0	0
326	LATE EFF INTRACRANIAL ABCESS OR PYOGENIC INFECTION	4	1	3	4	1	3	0	0	0	0	0	0
330-337	HEREDITARY AND DEGENERATIVE DISEASES OF NERVOUS SYSTEM	1196	494	702	1169	483	686	21	9	12	6	2	4
330	CEREBRAL DEGENERATIONS USUALLY MANIFEST IN CHILDHOOD	4	4	0	3	3	0	1	1	0	0	0	0
331	OTHER CEREBRAL DEGENERATIONS	712	222	490	698	218	480	13	4	9	1	0	1
332	PARKINSON'S DISEASE	321	190	131	316	188	128	3	1	2	2	1	1
333	OTH EXTRAPYRAMIDAL DISEASE & ABN MOVEMENT DISORDERS	33	15	18	32	14	18	1	1	0	0	0	0
334	SPINOCEREBELLAR DISEASE	6	3	3	5	2	3	1	1	0	0	0	0
335	ANTERIOR HORN CELL DISEASE	111	55	56	106	53	53	2	1	1	3	1	2
336	OTHER DISEASES OF SPINAL CORD	9	5	4	9	5	4	0	0	0	0	0	0
340-349	OTHER DISORDERS OF THE CENTRAL NERVOUS SYSTEM	247	123	124	228	113	115	16	8	8	3	2	1
340	MULTIPLE SCLEROSIS	73	27	46	72	27	45	1	0	1	0	0	0
341	OTHER DEMYELINATING DISEASES OF CNS	1	0	1	1	0	1	0	0	0	0	0	0
342	HEMIPLEGIA	7	3	4	7	3	4	0	0	0	0	0	0
343	INFANTILE CEREBRAL PALSY	14	6	8	12	6	6	1	0	1	1	0	1
344	OTHER PARALYTIC SYNDROMES	12	6	6	10	5	5	2	1	1	0	0	0
345	EPILEPSY	21	8	13	18	7	11	3	1	2	0	0	0
348	OTHER CONDITIONS OF BRAIN	111	68	43	102	61	41	8	6	2	1	1	0
349	OTHER & UNSPECIFIED DISORDERS OF NERVOUS SYSTEM	8	5	3	6	4	2	1	0	1	1	1	0
350-359	DISORDERS OF PERIPHERAL NERVOUS	64	34	30	59	33	26	4	1	3	1	0	1

TABLE C-15

1995

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			BLACK			OTHER		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS (CONTINUED)												
	SYSTEM												
355	MONONEURITIS LOWER LIMB	2	2	0	1	1	0	1	1	0	0	0	0
356	HEREDITARY & IDIOPATHIC PERIPHERAL NEUROPATHY	28	12	16	25	12	13	2	0	2	1	0	1
358	MYONEURAL DISORDERS	13	4	9	13	4	9	0	0	0	0	0	0
359	MUSCULAR DYSTROPHIES & OTHER MYOPATHIES	21	16	5	20	16	4	1	0	1	0	0	0
360-379	DISORDERS OF EYE AND ADNEXA	1	0	1	1	0	1	0	0	0	0	0	0
362	OTHER RETINAL DISORDERS	1	0	1	1	0	1	0	0	0	0	0	0
380-389	DISEASES OF THE EAR AND MASTIOD PROCESS	3	2	1	3	2	1	0	0	0	0	0	0
382	SUPPURATIVE & UNSPECIFIED OTITIS MEDIA	2	2	0	2	2	0	0	0	0	0	0	0
386	VERTIGINOUS SYNDROMES & OTH DIS OF VESTIBULAR SYSTEM	1	0	1	1	0	1	0	0	0	0	0	0
*390 459	VII. DISEASES OF THE CIRCULATORY SYSTEM	21604	9498	12106	20914	9172	11742	588	279	309	102	47	55
390-392	ACUTE RHEUMATIC FEVER	4	0	4	4	0	4	0	0	0	0	0	0
390	RHEUMATIC FEVER W/O MENTION OF HEART INVOLVEMENT	1	0	1	1	0	1	0	0	0	0	0	0
391	RHEUMATIC FEVER WITH HEART INVOLVEMENT	3	0	3	3	0	3	0	0	0	0	0	0
393-398	CHRONIC RHEUMATIC HEART DISEASE	128	33	95	126	32	94	2	1	1	0	0	0
394	DISEASES OF MITRAL VALVE	58	13	45	56	12	44	2	1	1	0	0	0
396	DISEASES OF MITRAL AND AORTIC VALVES	19	5	14	19	5	14	0	0	0	0	0	0
397	DISEASES OF OTHER ENDOCARDIAL STRUCTURES	6	2	4	6	2	4	0	0	0	0	0	0
398	OTHER RHEUMATIC HEART DISEASE	45	13	32	45	13	32	0	0	0	0	0	0
401-405	HYPERTENSIVE DISEASE	591	215	376	541	193	348	45	19	26	5	3	2
401	ESSENTIAL HYPERTENSION	156	59	97	145	55	90	11	4	7	0	0	0
402	HYPERTENSIVE HEART DISEASE	292	106	186	272	95	177	17	9	8	3	2	1
403	HYPERTENSIVE RENAL DISEASE	108	41	67	94	35	59	12	5	7	2	1	1
404	HYPERTENSIVE HEART & RENAL DISEASE	35	9	26	30	8	22	5	1	4	0	0	0
410-414	ISCHEMIC HEART DISEASE	10798	5215	5583	10523	5084	5439	235	112	123	40	19	21
410	ACUTE MYOCARDIAL INFARCTION	4925	2430	2495	4804	2373	2431	96	47	49	25	10	15
411	OTH ACUTE & SUBACUTE FORMS OF ISCHEMIC HEART DIS	11	3	8	11	3	8	0	0	0	0	0	0
412	OLD MYOCARDIAL INFARCTION	12	5	7	12	5	7	0	0	0	0	0	0
413	ANGINA PECTORIS	42	15	27	40	14	26	2	1	1	0	0	0
414	OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	5808	2762	3046	5656	2689	2967	137	64	73	15	9	6
415-417	DISEASES OF PULMONARY CIRCULATION	243	92	151	229	88	141	13	4	9	1	0	1
415	ACUTE PULMONARY HEART DISEASE	177	73	104	167	71	96	9	2	7	1	0	1
416	CHRONIC PULMONARY HEART DISEASE	63	19	44	59	17	42	4	2	2	0	0	0
417	OTHER DISEASES OF PULMONARY CIRCULATION	3	0	3	3	0	3	0	0	0	0	0	0
420-429	OTHER FORMS OF HEART DISEASE	5204	2295	2909	5011	2199	2812	172	87	85	21	9	12
420	ACUTE PERICARDITIS	1	0	1	1	0	1	0	0	0	0	0	0
421	ACUTE & SUBACUTE ENDOCARDITIS	19	11	8	19	11	8	0	0	0	0	0	0
422	ACUTE MYOCARDITIS	9	4	5	7	3	4	2	1	1	0	0	0
423	OTHER DISEASES OF PERICARDIUM	13	7	6	13	7	6	0	0	0	0	0	0
424	OTHER DISEASES OF ENDOCARDIUM	453	145	308	440	140	300	11	4	7	2	1	1
425	CARDIOMYOPATHY	537	319	218	512	302	210	23	17	6	2	0	2
426	CONDUCTION DISORDERS	37	19	18	36	19	17	1	0	1	0	0	0
427	CARDIAC DYSRHYTHMIAS	1444	641	803	1385	612	773	52	26	26	7	3	4
428	HEART FAILURE	1553	533	1020	1511	522	989	38	9	29	4	2	2
429	ILL-DEFINED DESCRIPTIONS & COMPLICATIONS HEART DIS	1138	616	522	1087	583	504	45	30	15	6	3	3
430-438	CEREBROVASCULAR DISEASE	3456	1133	2323	3333	1077	2256	94	45	49	29	11	18

TABLE C-15 (CONTINUED)

1995

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			BLACK			OTHER		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	VII. DISEASES OF THE CIRCULATORY SYSTEM (CONTINUED)												
430	SUBARACHNOID HEMORRHAGE	160	49	111	150	46	104	8	3	5	2	0	2
431	INTRACEREBRAL HEMORRHAGE	435	158	277	415	148	267	13	9	4	7	1	6
432	OTH & UNSPECIFIED INTRACRANIAL HEMORRHAGE	80	33	47	74	30	44	6	3	3	0	0	0
433	OCCLUSION & STENOSIS OF PRECEREBRAL ARTERIES	26	10	16	25	10	15	0	0	0	1	0	1
434	OCCLUSION OF CEREBRAL ARTERIES	338	114	224	329	107	222	7	6	1	2	1	1
435	TRANSIENT CEREBRAL ISCHEMIA	4	2	2	4	2	2	0	0	0	0	0	0
436	ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE	1805	565	1240	1749	541	1208	43	17	26	13	7	6
437	OTH & ILL-DEFINED CEREBROVASCULAR DISEASE	272	78	194	270	78	192	1	0	1	1	0	1
438	LATE EFFECTS OF CEREBROVASCULAR DISEASE	336	124	212	317	115	202	16	7	9	3	2	1
440-448	DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	1099	476	623	1074	464	610	21	9	12	4	3	1
440	ATHEROSCLEROSIS	382	123	259	379	122	257	3	1	2	0	0	0
441	AORTIC ANEURYSM	426	243	183	415	235	180	8	5	3	3	3	0
442	OTHER ANEURYSM	10	10	0	10	10	0	0	0	0	0	0	0
443	OTHER PERIPHERAL VASCULAR DISEASE	206	67	139	200	64	136	6	3	3	0	0	0
444	ARTERIAL EMBOLISM & THROMBOSIS	26	12	14	24	12	12	2	0	2	0	0	0
446	POLYARTERITIS NODOSA & ALLIED CONDITIONS	19	5	14	17	5	12	2	0	2	0	0	0
447	OTHER DISORDERS OF ARTERIES & ARTERIOLES	28	15	13	27	15	12	0	0	0	1	0	1
448	DISEASE OF CAPILLARIES	2	1	1	2	1	1	0	0	0	0	0	0
451-459	DISEASES OF VEINS AND LYMPHATICS, AND OTHER DIS. OF CIRCULATORY SYS.	81	39	42	73	35	38	6	2	4	2	2	0
451	PHLEBITIS & THROMBOPHLEBITIS	12	2	10	12	2	10	0	0	0	0	0	0
452	PORTAL VEIN THROMBOSIS	1	1	0	1	1	0	0	0	0	0	0	0
453	OTHER VENOUS EMBOLISM & THROMBOSIS	13	5	8	13	5	8	0	0	0	0	0	0
454	VARICOSE VEINS OF LOWER EXTREMITIES	2	0	2	2	0	2	0	0	0	0	0	0
456	VARICOSE VEINS OF OTHER SITES	6	5	1	4	3	1	2	2	0	0	0	0
458	HYPOTENSION	26	15	11	22	13	9	2	0	2	2	2	0
459	OTHER DISORDERS OF CIRCULATORY SYSTEM	21	11	10	19	11	8	2	0	2	0	0	0
*460 519	VIII. DISEASES OF THE RESPIRATORY SYSTEM	5902	2620	3282	5709	2513	3196	141	75	66	52	32	20
460-466	ACUTE RESPIRATORY INFECTIONS	11	6	5	11	6	5	0	0	0	0	0	0
464	ACUTE LARYNGITIS & TRACHEITIS	1	1	0	1	1	0	0	0	0	0	0	0
465	ACUTE UPPER RESP INF MULTIPLE OR UNSPECF SITES	2	1	1	2	1	1	0	0	0	0	0	0
466	ACUTE BRONCHITIS AND BRONCHIOLITIS	8	4	4	8	4	4	0	0	0	0	0	0
470-478	OTHER DISEASES UPPER RESPIRATORY TRACT	13	6	7	13	6	7	0	0	0	0	0	0
473	CHRONIC SINUSITIS	3	3	0	3	3	0	0	0	0	0	0	0
478	OTHER DISEASES OF UPPER RESPIRATORY TRACT	10	3	7	10	3	7	0	0	0	0	0	0
480-487	PNEUMONIA AND INFLUENZA	2722	1120	1602	2643	1076	1567	59	33	26	20	11	9
480	VIRAL PNEUMONIA	4	1	3	4	1	3	0	0	0	0	0	0
481	PNEUMOCOCCAL PNEUMONIA	38	17	21	37	17	20	1	0	1	0	0	0
482	OTHER BACTERIAL PNEUMONIA	68	36	32	63	32	31	4	4	0	1	0	1
483	PNEUMONIA DUE TO OTH SPECIFIED ORGANISM	7	6	1	7	6	1	0	0	0	0	0	0
485	BRONCHOPNEUMONIA ORGANISM UNSPECIFIED	125	58	67	123	56	67	2	2	0	0	0	0
486	PNEUMONIA ORGANISM UNSPECIFIED	2466	997	1469	2395	959	1436	52	27	25	19	11	8
487	INFLUENZA	14	5	9	14	5	9	0	0	0	0	0	0
490-496	CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	2343	1083	1260	2275	1045	1230	51	28	23	17	10	7

TABLE C-15

1995

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			BLACK			OTHER		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	VIII. DISEASES OF THE RESPIRATORY SYSTEM (CONTINUED)												
490	BRONCHITIS NOT SPECF AS ACUTE OR CHRONIC	21	3	18	21	3	18	0	0	0	0	0	0
491	CHRONIC BRONCHITIS	44	20	24	42	18	24	2	2	0	0	0	0
492	EMPHYSEMA	355	163	192	345	156	189	8	6	2	2	1	1
493	ASTHMA	119	38	81	105	30	75	9	6	3	5	2	3
494	BRONCHIECTASIS	15	7	8	14	7	7	1	0	1	0	0	0
496	CHRONIC AIRWAY OBSTRUCTION NEC	1789	852	937	1748	831	917	31	14	17	10	7	3
500-508	PNEUMOCONIOSES AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENTS	331	170	161	309	157	152	11	4	7	11	9	2
501	ASBESTOSIS	10	9	1	9	8	1	1	1	0	0	0	0
502	PNEUMOCONIOSIS DUE TO OTH SILICA,SILICATES	2	2	0	2	2	0	0	0	0	0	0	0
503	PNEUMOCONIOSIS DUE TO OTH INORGANIC DUST	1	0	1	1	0	1	0	0	0	0	0	0
507	PNEUMONITIS DUE TO SOLIDS & LIQUIDS	317	159	158	296	147	149	10	3	7	11	9	2
508	RESP CONDITIONS DUE TO OTH & UNSPECF EXT AGENTS	1	0	1	1	0	1	0	0	0	0	0	0
510-519	OTHER DISEASES OF RESPIRATORY SYSTEM	482	235	247	458	223	235	20	10	10	4	2	2
510	EMPYEMA	7	5	2	6	5	1	1	0	1	0	0	0
511	PLEURISY	16	7	9	16	7	9	0	0	0	0	0	0
512	PNEUMOTHORAX	11	6	5	10	5	5	1	1	0	0	0	0
513	ABSCESS OF LUNG & MEDIASTINUM	8	4	4	7	3	4	1	1	0	0	0	0
514	PULMONARY CONGESTION AND HYPOSTASIS	27	12	15	22	8	14	2	2	0	3	2	1
515	POSTINFLAMMATORY PULMONARY FIBROSIS	169	82	87	165	80	85	4	2	2	0	0	0
516	OTH ALVEOLAR & PARIETOALVEOLAR PNEUMONOPATHY	20	12	8	20	12	8	0	0	0	0	0	0
518	OTHER DISEASES OF LUNG	201	97	104	190	93	97	10	4	6	1	0	1
519	OTHER DISEASES OF RESPIRATORY SYSTEM	23	10	13	22	10	12	1	0	1	0	0	0
*520 579	IX. DISEASES OF THE DIGESTIVE SYSTEM	2094	1036	1058	2002	979	1023	74	46	28	18	11	7
520-529	DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS	3	2	1	3	2	1	0	0	0	0	0	0
522	DISEASES OF PULP & PERIAPICAL TISSUES	1	1	0	1	1	0	0	0	0	0	0	0
527	DISEASES OF THE SALIVARY GLANDS	1	0	1	1	0	1	0	0	0	0	0	0
528	DIS ORAL SOFT TISSUES EXCL LESIONS GINGIVA & TONGUE	1	1	0	1	1	0	0	0	0	0	0	0
530-537	DISEASES OF ESOPHAGUS, STOMACH, AND DUODENUM	181	82	99	178	80	98	1	1	0	2	1	1
530	DISEASES OF ESOPHAGUS	53	19	34	53	19	34	0	0	0	0	0	0
531	GASTRIC ULCER	28	16	12	27	15	12	1	1	0	0	0	0
532	DUODENAL ULCER	41	17	24	40	17	23	0	0	0	1	0	1
533	PEPTIC ULCER SITE UNSPECF	31	14	17	30	13	17	0	0	0	1	1	0
535	GASTRITIS & DUODENITIS	16	10	6	16	10	6	0	0	0	0	0	0
536	DISORDERS OF FUNCTION OF STOMACH	1	0	1	1	0	1	0	0	0	0	0	0
537	OTHER DISORDERS OF STOMACH & DUODENUM	11	6	5	11	6	5	0	0	0	0	0	0
540-543	APPENDICITIS	3	2	1	3	2	1	0	0	0	0	0	0
540	ACUTE APPENDICITIS	3	2	1	3	2	1	0	0	0	0	0	0
550-553	HERNIA OF ABDOMINAL CAVITY	28	11	17	27	10	17	1	1	0	0	0	0
550	INGUINAL HERNIA	6	6	0	5	5	0	1	1	0	0	0	0
551	OTH HERNIA OF ABDOMINAL CAVITY WITH GANGRENE	1	0	1	1	0	1	0	0	0	0	0	0
552	OTH HERNIA ABD CAVITY W OBSTRUCT BUT W/O GANGRENE	7	4	3	7	4	3	0	0	0	0	0	0
553	OTH HERNIA ABD CAVITY W/O OBSTRUCT OR GANGRENE	14	1	13	14	1	13	0	0	0	0	0	0
555-558	NONINFECTIVE ENTERITIS AND COLITIS	284	92	192	277	87	190	7	5	2	0	0	0

TABLE C-15 (CONTINUED)

1995

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS TOT	TOTALS MALE	TOTALS FEM	WHITE TOT	WHITE MALE	WHITE FEM	BLACK TOT	BLACK MALE	BLACK FEM	OTHER TOT	OTHER MALE	OTHER FEM
	IX. DISEASES OF THE DIGESTIVE SYSTEM (CONTINUED)												
555	REGIONAL ENTERITIS	10	6	4	10	6	4	0	0	0	0	0	0
556	IDIOPATHIC PROCTOCOLITIS	9	4	5	9	4	5	0	0	0	0	0	0
557	VASCULAR INSUFFICIENCY OF INTESTINE	221	66	155	214	61	153	7	5	2	0	0	0
558	OTH NONINFECTIOUS GASTROENTERITIS & COLITIS	44	16	28	44	16	28	0	0	0	0	0	0
560-569	OTHER DISEASES OF INTESTINE AND PERITONEUM	366	141	225	354	134	220	9	4	5	3	3	0
560	INTESTINAL OBSTRUCTION W/O MENTION OF HERNIA	154	58	96	147	54	93	5	2	3	2	2	0
562	DIVERTICULA OF INTESTINE	80	27	53	80	27	53	0	0	0	0	0	0
564	FUNCTIONAL DIGESTIVE DISORDERS NEC	10	2	8	10	2	8	0	0	0	0	0	0
566	ABSCESS OF ANAL AND RECTAL REGIONS	6	3	3	6	3	3	0	0	0	0	0	0
567	PERITONITIS	47	22	25	43	20	23	4	2	2	0	0	0
568	OTHER DISORDERS OF PERITONEUM	8	3	5	8	3	5	0	0	0	0	0	0
569	OTHER DISORDERS OF INTESTINE	61	26	35	60	25	35	0	0	0	1	1	0
570-579	OTHER DISEASES OF DIGESTIVE SYSTEM	1229	706	523	1160	664	496	56	35	21	13	7	6
570	ACUTE & SUBACUTE NECROSIS OF LIVER	8	3	5	8	3	5	0	0	0	0	0	0
571	CHRONIC LIVER DISEASE & CIRRHOSIS	568	376	192	533	352	181	30	20	10	5	4	1
572	LIVER ABSCESS & SEQUELAE OF CHRONIC LIVER DISEASE	162	96	66	149	89	60	11	7	4	2	0	2
573	OTHER DISORDERS OF LIVER	57	31	26	52	29	23	3	1	2	2	1	1
574	CHOLELITHIASIS	25	12	13	25	12	13	0	0	0	0	0	0
575	OTHER DISORDERS OF GALLBLADDER	42	18	24	41	17	24	1	1	0	0	0	0
576	OTHER DISORDERS OF BILIARY TRACT	32	14	18	30	12	18	2	2	0	0	0	0
577	DISEASES OF PANCREAS	76	35	41	74	34	40	2	1	1	0	0	0
578	GASTROINTESTINAL HEMORRHAGE	256	119	137	245	114	131	7	3	4	4	2	2
579	INTESTINAL MALABSORPTION	3	2	1	3	2	1	0	0	0	0	0	0
*580 629	X. DISEASES OF THE GENITOURINARY SYSTEM	1301	568	733	1222	532	690	71	33	38	8	3	5
580-589	NEPHRITIS AND NEPHROSIS	852	415	437	798	388	410	48	24	24	6	3	3
580	ACUTE GLOMERULONEPHRITIS	3	0	3	2	0	2	1	0	1	0	0	0
581	NEPHROTIC SYNDROME	3	2	1	3	2	1	0	0	0	0	0	0
582	CHRONIC GLOMERULONEPHRITIS	28	13	15	26	12	14	2	1	1	0	0	0
583	NEPHRITIS & NEPHROPATHY NOT SPECF AS ACUTE/CHRONIC	12	6	6	11	5	6	1	1	0	0	0	0
584	ACUTE RENAL FAILURE	114	53	61	105	49	56	8	4	4	1	0	1
585	CHRONIC RENAL FAILURE	198	90	108	187	87	100	9	2	7	2	1	1
586	RENAL FAILURE, UNSPECIFIED	490	248	242	460	230	230	27	16	11	3	2	1
587	RENAL SCLEROSIS, UNSPECIFIED	3	2	1	3	2	1	0	0	0	0	0	0
588	DISORDERS RESULTING FROM IMPAIRED RENAL FUNCTION	1	1	0	1	1	0	0	0	0	0	0	0
590-599	OTHER DISEASES OF URINARY SYSTEM	434	143	291	410	135	275	22	8	14	2	0	2
590	INFECTIONS OF KIDNEY	12	3	9	12	3	9	0	0	0	0	0	0
591	HYDRONEPHROSIS	2	1	1	2	1	1	0	0	0	0	0	0
592	CALCULUS OF KIDNEY & URETER	3	1	2	3	1	2	0	0	0	0	0	0
593	OTHER DISORDERS OF KIDNEY & URETER	94	50	44	82	43	39	12	7	5	0	0	0
595	CYSTITIS	3	1	2	3	1	2	0	0	0	0	0	0
596	OTHER DISORDERS OF BLADDER	1	0	1	1	0	1	0	0	0	0	0	0
599	OTHER DISORDERS OF URETHRA & URINARY TRACT	319	87	232	307	86	221	10	1	9	2	0	2
600-608	DISEASES OF MALE GENITAL ORGANS	10	10	0	9	9	0	1	1	0	0	0	0
600	HYPERPLASIA OF PROSTATE	5	5	0	4	4	0	1	1	0	0	0	0
601	INFLAMMATORY DISEASES OF PROSTATE	1	1	0	1	1	0	0	0	0	0	0	0

TABLE C-15

1995

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			BLACK			OTHER		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	X. DISEASES OF THE GENITOURINARY SYSTEM (CONTINUED)												
602	OTHER DISORDERS OF PROSTATE	2	2	0	2	2	0	0	0	0	0	0	0
608	OTHER DISORDERS OF MALE GENITAL ORGANS	2	2	0	2	2	0	0	0	0	0	0	0
610-611	DISORDERS OF BREAST	1	0	1	1	0	1	0	0	0	0	0	0
611	OTHER DISORDERS OF BREAST	1	0	1	1	0	1	0	0	0	0	0	0
614-616	INFLAMMATORY DISEASE OF FEMALE PELVIC ORGANS	1	0	1	1	0	1	0	0	0	0	0	0
615	INFLAMM DISEASES UTERUS EXCEPT CERVIX	3	0	3	3	0	3	0	0	0	0	0	0
617-629	OTHER DISORDERS OF FEMALE GENITAL TRACT	2	0	2	2	0	2	0	0	0	0	0	0
619	FISTULA INVOLVING FEMALE GENITAL TRACT	1	0	1	1	0	1	0	0	0	0	0	0
620	NONINFLAMM DIS OF OVARY,FALLOP TUBE & BROAD LIG	1	0	1	0	0	0	1	0	1	0	0	0
*630 676	XI. COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND PUERPERIUM	1	0	1	0	0	0	1	0	1	0	0	0
670-676	COMPLICATIONS OF THE PUERPERIUM	1	0	1	0	0	0	1	0	1	0	0	0
674	OTH & UNSPECF COMP OF PUERPERIUM NEC	60	16	44	57	15	42	3	1	2	0	0	0
*680 709	XII. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	18	8	10	18	8	10	0	0	0	0	0	0
680-686	INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	15	7	8	15	7	8	0	0	0	0	0	0
682	OTHER CELLULITIS & ABSCESS	3	1	2	3	1	2	0	0	0	0	0	0
686	OTH LOCAL INFECTIONS SKIN & SUBCUTANEOUS TISSUE	10	1	9	9	0	9	1	1	0	0	0	0
690-698	OTHER INFLAMMATORY CONDITIONS OF SKIN AND SUBCUTANEOUS TISSUE	6	0	6	6	0	6	0	0	0	0	0	0
694	BULLOUS DERMATOSES	4	1	3	3	0	3	1	1	0	0	0	0
695	ERYTHEMATOUS CONDITIONS	32	7	25	30	7	23	2	0	2	0	0	0
700-709	OTHER DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	32	7	25	30	7	23	2	0	2	0	0	0
707	CHRONIC ULCER OF SKIN	184	39	145	178	37	141	6	2	4	0	0	0
*710 739	XIII. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	105	17	88	103	16	87	2	1	1	0	0	0
710-719	ARTHROPATHIES AND RELATED DISORDERS	42	9	33	41	8	33	1	1	0	0	0	0
710	DIFFUSE DISEASES OF CONNECTIVE TISSUE	3	0	3	3	0	3	0	0	0	0	0	0
711	ARTHROPATHY ASSOC WITH INFECTIONS	39	6	33	38	6	32	1	0	1	0	0	0
714	RHEUMATOID ARTHRITIS & OTH INFLM POLYARTHROPATHIES	14	2	12	14	2	12	0	0	0	0	0	0
715	OSTEOARTHROSIS & ALLIED DISORDERS	6	0	6	6	0	6	0	0	0	0	0	0
716	OTHER & UNSPECIFIED ARTHROPATHIES	1	0	1	1	0	1	0	0	0	0	0	0
719	OTHER & UNSPECIFIED DISORDERS OF JOINT	6	1	5	6	1	5	0	0	0	0	0	0
720-724	DORSOPATHIES	1	0	1	1	0	1	0	0	0	0	0	0
720	ANKYLOSING SPONDYLITIS & OTH INFLM SPONDYLOPATHIES	3	1	2	3	1	2	0	0	0	0	0	0
721	SPONDYLOSIS & ALLIED DISORDERS	2	0	2	2	0	2	0	0	0	0	0	0
724	OTHER & UNSPECIFIED DISORDERS OF BACK	12	8	4	12	8	4	0	0	0	0	0	0
725-729	RHEUMATISM, EXCLUDING THE BACK	2	1	1	2	1	1	0	0	0	0	0	0
725	POLYMYALGIA RHEUMATICA	5	4	1	5	4	1	0	0	0	0	0	0
728	DISORDERS OF MUSCLE, LIGAMENT & FASCIA	5	3	2	5	3	2	0	0	0	0	0	0
729	OTHER DISORDERS OF SOFT TISSUES												

TABLE C-15 (CONTINUED)

1995

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			BLACK			OTHER		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	XIII. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE (CONTINUED)												
730-739	OSTEOPATHIES CHRONDROPATHIES & ACQUIRED MUSCULOSKELATAL DEFORMITIES	61	13	48	57	12	45	4	1	3	0	0	0
730	OSTEOMYELITIS, PERIOSTITIS & OTH INFECTIONS OF BONE	19	2	17	17	2	15	2	0	2	0	0	0
731	OSTEITIS DEFORMANS & OSTEOPATHIES ASSOC W OTH DIS CE	6	3	3	6	3	3	0	0	0	0	0	0
732	OSTEOCHONOROPATHIES	1	1	0	1	1	0	0	0	0	0	0	0
733	OTHER DISORDERS OF BONE & CARTILAGE	27	4	23	26	4	22	1	0	1	0	0	0
737	CURVATURE OF SPINE	8	3	5	7	2	5	1	1	0	0	0	0
*740 759	XIV. CONGENITAL ANOMALIES	210	107	103	194	99	95	9	6	3	7	2	5
740	ANENCEPHALUS & SIMLIAR ANOMALIES	4	0	4	3	0	3	0	0	0	1	0	1
741	SPINA BIFIDA	2	1	1	2	1	1	0	0	0	0	0	0
742	OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM	27	17	10	27	17	10	0	0	0	0	0	0
745	BULBUS CORDIS ANOMS & ANOMS CARDIAC SEPTAL CLOSURE	34	13	21	31	11	20	1	0	1	2	2	0
746	OTHER CONGENITAL ANOMALIES OF HEART	46	30	16	41	26	15	5	4	1	0	0	0
747	OTHER CONGENITAL ANOMS OF CIRCULATORY SYSTEM	23	8	15	21	8	13	0	0	0	2	0	2
748	CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM	19	7	12	18	7	11	0	0	0	1	0	1
750	OTHER CONGENITAL ANOMS UPPER ALIMENTARY TRACT	1	1	0	1	1	0	0	0	0	0	0	0
751	OTHER CONGENITAL ANOMS OF DIGESTIVE SYSTEM	3	1	2	3	1	2	0	0	0	0	0	0
753	CONGENITAL ANOMS OF URINARY SYSTEM	12	9	3	11	8	3	1	1	0	0	0	0
756	OTHER CONGENITAL MUSCULOSKELETAL ANOMALIES	6	6	0	5	5	0	1	1	0	0	0	0
757	CONGENITAL ANOMS OF THE INTEGUMENT	1	1	0	1	1	0	0	0	0	0	0	0
758	CHROMOSONAL ANOMALIES	22	8	14	21	8	13	1	0	1	0	0	0
759	OTHER & UNSPECIFIED CONGENITAL ANOMALIES	10	5	5	9	5	4	0	0	0	1	0	1
*760 779	XV. CERTAIN CONDITIONS ORIGINATING IN PERINATAL PERIOD	211	115	96	159	90	69	44	22	22	8	3	5
760	NEWBORN AFFECTD BY MAT CONDS REL/UNREL TO PREG	2	2	0	2	2	0	0	0	0	0	0	0
761	NEWBORN AFFECTED BY MAT COMPLICATIONS OF PREG	22	8	14	13	4	9	8	3	5	1	1	0
762	NEWBORN AFFECTD COMPLIC PLACENTA, CORD, MEMBRANE	18	8	10	13	7	6	3	1	2	2	0	2
763	NEWBORN AFFECTED OTH COMPLIC LABOR & DELIVERY	1	1	0	1	1	0	0	0	0	0	0	0
764	SLOW FETAL GROWTH & FETAL MALNUTRITION	1	0	1	1	0	1	0	0	0	0	0	0
765	DISORDERS REL TO SHORT GESTATION & UNSPECF LOW BIRTHWT	69	45	24	48	30	18	20	15	5	1	0	1
767	BIRTH TRAUMA	2	1	1	2	1	1	0	0	0	0	0	0
768	INTRAUTERINE HYPOXIA & BIRTH ASPHYXIA	5	2	3	4	2	2	1	0	1	0	0	0
769	RESPIRATORY DISTRESS SYNDROME	21	13	8	17	11	6	3	1	2	1	1	0
770	OTHER RESPIRATORY CONDITIONS OF NEWBORN	29	19	10	25	19	6	4	0	4	0	0	0
771	INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	13	7	6	10	6	4	2	0	2	1	1	0
772	NEONATAL HEMORRHAGE	3	1	2	3	1	2	0	0	0	0	0	0
777	PERINATAL DISORDERS OF DIGESTIVE SYSTEM	3	0	3	3	0	3	0	0	0	0	0	0
778	COND INVOLV INTEGUMENT/TEMP REGULATION OF NEWBORN	2	1	1	2	1	1	0	0	0	0	0	0
779	OTH & ILL-DEFINED COND ORIGINATING IN PERINATAL PERIOD	20	7	13	15	5	10	3	2	1	2	0	2

TABLE C-15

1995

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS TOT	TOTALS MALE	TOTALS FEM	WHITE TOT	WHITE MALE	WHITE FEM	BLACK TOT	BLACK MALE	BLACK FEM	OTHER TOT	OTHER MALE	OTHER FEM
*780 799	XVI. SYMPTOMS SIGNS, AND ILL-DEFINED CONDITIONS	448	217	231	423	201	222	19	12	7	6	4	2
780-789	SYMPTOMS	103	50	53	99	46	53	4	4	0	0	0	0
780	GENERAL SYMPTOMS	22	14	8	19	11	8	3	3	0	0	0	0
781	SYMPTOMS INVOLVING NERVOUS & MUSCULOSKELETAL SYS	1	0	1	1	0	1	0	0	0	0	0	0
783	SYMPTOMS RE NUTRITION, METABOLISM & DEVELOPMENT	11	2	9	11	2	9	0	0	0	0	0	0
785	SYMPTOMS INVOLVING CARDIOVASCULAR SYSTEM	54	27	27	53	26	27	1	1	0	0	0	0
786	SYMPTOMS INVOLVING RESP SYS & OTHER CHEST SYMPTOMS	7	4	3	7	4	3	0	0	0	0	0	0
787	SYMPTOMS INVOLVING DIGESTIVE SYSTEM	2	1	1	2	1	1	0	0	0	0	0	0
789	OTHER SYMPTOMS INVOLVING ABDOMEN & PELVIS	6	2	4	6	2	4	0	0	0	0	0	0
797-799	ILL-DEFINED AND UNKNOWN CAUSES OF MORBIDITY AND MORTALITY	345	167	178	324	155	169	15	8	7	6	4	2
797	SENILITY W/O MENTION OF PSYCHOSIS	6	1	5	6	1	5	0	0	0	0	0	0
798	SUDDEN DEATH, CAUSE UNKNOWN	35	22	13	27	16	11	5	4	1	3	2	1
799	OTH ILL-DEFINED & UNK CAUSES OF MORBIDITY/MORTALITY	304	144	160	291	138	153	10	4	6	3	2	1
*800 999	XVII. EXTERNAL CAUSES OF INJURY AND POISONING	2331	1577	754	2106	1411	695	191	145	46	34	21	13
800-807	RAILWAY ACCIDENTS	11	10	1	11	10	1	0	0	0	0	0	0
801	RAILWAY ACCIDENT COLLISION W/OTH OBJ	1	1	0	1	1	0	0	0	0	0	0	0
805	HIT BY ROLLING STOCK	10	9	1	10	9	1	0	0	0	0	0	0
810-819	MOTOR VEHICLE TRAFFIC ACCIDENTS	474	313	161	444	289	155	22	19	3	8	5	3
810	M/V TRAFFIC ACCIDENT INVOLVING COLLISION W/ TRAIN	1	1	0	1	1	0	0	0	0	0	0	0
812	OTHER M/V TRAFFIC ACCIDENT INVOLVING COLLISION W/ M/V	133	78	55	131	76	55	2	2	0	0	0	0
813	M/V TRAFFIC ACCIDENT INVOLV COLLISION W/ OTH VEHICLE	6	5	1	5	4	1	1	1	0	0	0	0
814	M/V TRAFFIC ACCIDENT INVOLVING COLLISION W/ PEDESTRIAN	96	69	27	86	61	25	7	6	1	3	2	1
815	OTHER M/V TRAFFIC ACCIDENT INVOLV COLLISION ON HIGHWAY	113	78	35	105	72	33	5	3	2	3	3	0
816	M/V TRAFF ACC DUE TO LOSS CONTROL W/O COLLISION ON HWY	17	14	3	17	14	3	0	0	0	0	0	0
818	OTHER NON-COLLISION M/V TRAFFIC ACCIDENT	4	2	2	3	1	2	1	1	0	0	0	0
819	M/V TRAFFIC ACCIDENT UNSPECIFIED NATURE	104	66	38	96	60	36	6	6	0	2	0	2
820-825	MOTOR VEHICLE NONTRAFFIC ACCIDENTS	5	5	0	4	4	0	0	0	0	1	1	0
820	NON-TRAFFIC ACCIDENT INVOLVING SNOW VEHICLE	1	1	0	1	1	0	0	0	0	0	0	0
822	OTH M/V NON-TRAFFIC ACC INVOLV COLLISION MOVING OBJ	2	2	0	1	1	0	0	0	0	1	1	0
823	OTH M/V NON-TRAFFIC ACC INVOLV COLLISION STATNRY OBJ	1	1	0	1	1	0	0	0	0	0	0	0
825	OTH M/V NON-TRAFFIC ACCIDENT OTH & UNSPECIF	1	1	0	1	1	0	0	0	0	0	0	0
826-829	OTHER ROAD VEHICLE ACCIDENTS	1	1	0	1	1	0	0	0	0	0	0	0
826	PEDAL CYCLE ACCIDENT	1	1	0	1	1	0	0	0	0	0	0	0
830-838	WATER TRANSPORT ACCIDENTS	11	10	1	9	8	1	0	0	0	2	2	0
830	ACCIDENT TO WATERCRAFT CAUSING SUBMERSION	5	5	0	4	4	0	0	0	0	1	1	0
838	OTH & UNSPECF WATER TRANSPORT ACCIDENT	6	5	1	5	4	1	0	0	0	1	1	0
840-845	AIR AND SPACE TRANSPORT ACCIDENTS	8	6	2	8	6	2	0	0	0	0	0	0
840	ACCIDENT TO POWERED AIRCRAFT AT TAKEOFF OR LANDING	1	1	0	1	1	0	0	0	0	0	0	0
841	ACCIDENT TO POWERED AIRCRAFT, OTH & UNSPECF	7	5	2	7	5	2	0	0	0	0	0	0
850-858	ACCIDENTAL POISONING BY DRUGS AND MEDICAMENTS	29	18	11	26	18	8	3	0	3	0	0	0
850	ACC POISON BY ANALGESICS, ANTIPYRETICS, ANTIRHEUMATICS	7	6	1	6	6	0	1	0	1	0	0	0
855	ACC POISON BY OTH DRUGS ACTING ON CNS & AUTONOM NS	2	1	1	1	1	0	1	0	1	0	0	0
856	ACCIDENTAL POISONING BY ANTIBIOTICS	3	1	2	2	1	1	1	0	1	0	0	0
858	ACCIDENTAL POISONING BY OTHER DRUGS	17	10	7	17	10	7	0	0	0	0	0	0
860-869	ACCIDENTAL POISONING BY OTHER SUBSTANCES	5	4	1	4	3	1	1	1	0	0	0	0

TABLE C-15 (CONTINUED)

1995

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS TOT	TOTALS MALE	TOTALS FEM	WHITE TOT	WHITE MALE	WHITE FEM	BLACK TOT	BLACK MALE	BLACK FEM	OTHER TOT	OTHER MALE	OTHER FEM
	XVII. EXTERNAL CAUSES OF INJURY AND POISONING (CONTINUED)												
	GASES AND VAPOURS												
868	ACC POISONING BY OTH UTILITY GAS & OTH CARBON MONOX	5	4	1	4	3	1	1	1	0	0	0	0
878-879	SURGICAL & MEDICAL PROCEDURES AS CAUSE OF LATER COMPLICATION	35	13	22	34	13	21	1	0	1	0	0	0
878	SURG OPER CAUSE ABNORM REACT/COMPL W/O MISADVENTURE	30	12	18	29	12	17	1	0	1	0	0	0
879	OTH PROCED W/O MISADVENTURE CAUSING ABNORM REACTION	5	1	4	5	1	4	0	0	0	0	0	0
880-888	ACCIDENTAL FALLS	316	150	166	309	146	163	6	4	2	1	0	1
880	FALL ON OR FROM STAIRS OR STEPS	44	17	27	42	16	26	1	1	0	1	0	1
881	FALL ON OR FROM LADDERS OR SCAFFOLDING	12	12	0	11	11	0	1	1	0	0	0	0
882	FALL FROM OR OUT OF BUILDING OR OTHER STRUCTURE	8	6	2	6	5	1	2	1	1	0	0	0
883	FALL INTO HOLE OR OTHER OPENING IN SURFACE	3	0	3	3	0	3	0	0	0	0	0	0
884	OTHER FALL FROM ONE LEVEL TO ANOTHER	19	9	10	18	9	9	1	0	1	0	0	0
885	FALL ON SAME LEVEL FROM SLIPPING,TRIPPING,STUMBLING	10	3	7	10	3	7	0	0	0	0	0	0
887	FRACTURE, CAUSE UNSPECIFIED	149	55	94	149	55	94	0	0	0	0	0	0
888	OTHER & UNSPECIFIED FALL	71	48	23	70	47	23	1	1	0	0	0	0
890-899	ACCIDENTS CAUSED BY FIRES AND FLAMES	45	28	17	38	26	12	1	1	0	6	1	5
890	CONFLAGRATION IN PRIVATE DWELLING	34	21	13	28	20	8	0	0	0	6	1	5
891	CONFLAGRATION IN OTH & UNSPECF BUILDING/STRUCTURE	1	1	0	1	1	0	0	0	0	0	0	0
893	ACCIDENT CAUSED BY IGNITION OF CLOTHING	6	5	1	5	4	1	1	1	0	0	0	0
895	ACCIDENT CAUSED BY CONTROLLED FIRE IN PRIV DWELLING	1	0	1	1	0	1	0	0	0	0	0	0
898	ACC CAUSED BY OTHER SPECIFIED FIRE & FLAMES	1	1	0	1	1	0	0	0	0	0	0	0
899	ACCIDENT CAUSED BY UNSPECIFIED FIRE	2	0	2	2	0	2	0	0	0	0	0	0
900-909	ACCIDENTS CAUSED BY NATURAL AND ENVIRONMENTAL FACTORS	17	8	9	15	7	8	2	1	1	0	0	0
900	EXCESSIVE HEAT	1	0	1	1	0	1	0	0	0	0	0	0
901	EXCESSIVE COLD	12	8	4	10	7	3	2	1	1	0	0	0
904	HUNGER, THIRST, EXPOSURE, & NEGLECT	3	0	3	3	0	3	0	0	0	0	0	0
907	LIGHTNING	1	0	1	1	0	1	0	0	0	0	0	0
910-915	ACCIDENTS CAUSED BY SUBMERSION SUFFOCATION & FOREIGN BODIES	126	73	53	120	70	50	4	1	3	2	2	0
910	ACCIDENTAL DROWNING & SUBMERSION	43	32	11	40	31	9	3	1	2	0	0	0
911	INHALATION, INGESTION OF FOOD CAUSING OBST/SUFFOC	19	12	7	18	11	7	0	0	0	1	1	0
912	INHALATION, INGESTION OF OTH OBJECT CAUSE OBST/SUFFOC	53	22	31	51	21	30	1	0	1	1	1	0
913	ACCIDENTAL MECHANICAL SUFFOCATION	11	7	4	11	7	4	0	0	0	0	0	0
916-928	OTHER ACCIDENTS	94	54	40	90	52	38	3	2	1	1	0	1
916	STRUCK ACCIDENTALLY BY FALLING OBJECT	9	8	1	9	8	1	0	0	0	0	0	0
917	STRUCK AGAINST OR ACCIDENTALLY BY OBJECTS OR PERSONS	5	3	2	4	3	1	0	0	0	1	0	1
919	ACCIDENTS CAUSED BY MACHINERY	1	1	0	1	1	0	0	0	0	0	0	0
920	ACCIDENTS CAUSED BY CUTTING/PIERCING INSTRUMENTS	2	1	1	2	1	1	0	0	0	0	0	0
922	ACCIDENT CAUSED BY FIREARM MISSILE	3	3	0	3	3	0	0	0	0	0	0	0
923	ACCIDENT CAUSED BY EXPLOSIVE MATERIAL	1	1	0	1	1	0	0	0	0	0	0	0
925	ACCIDENT CAUSED BY ELECTRIC CURRENT	2	2	0	2	2	0	0	0	0	0	0	0
927	OVEREXERTION AND STRENUOUS MOVEMENTS	1	1	0	1	1	0	0	0	0	0	0	0
928	OTH & UNSPECF ENVIRONMENTAL/ACCIDENTAL CAUSES	70	34	36	67	32	35	3	2	1	0	0	0
929-929	LATE EFFECTS OF ACCIDENTAL INJURY	23	15	8	22	14	8	1	1	0	0	0	0
929	LATE EFFECTS OF ACCIDENTAL INJURY	23	15	8	22	14	8	1	1	0	0	0	0
930-949	DRUGS MEDICAMENTS AND BIOLOGICAL SUB-	2	1	1	2	1	1	0	0	0	0	0	0

TABLE C-15

1995

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			BLACK			OTHER		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	XVII. EXTERNAL CAUSES OF INJURY AND POISONING (CONTINUED)												
	STANCES IN THERAPY												
947	ADVERSE EFFECTS OTH & UNSPECF DRUGS & MEDICINAL SUBS	2	1	1	2	1	1	0	0	0	0	0	0
950-959	SUICIDE AND SELF-INFLICTED INJURY	496	371	125	460	348	112	29	18	11	7	5	2
950	SUICIDE & SELF-INFLIC POISONING SOLID/LIQUID SUBS	79	30	49	71	27	44	6	2	4	2	1	1
952	SUICIDE & SELF-INFLIC POISONING OTHER GASES/VAPORS	33	25	8	31	24	7	2	1	1	0	0	0
953	SUICIDE & SELF-INFLIC INJURY HANGING,STRANGUL,SUFFOC	158	126	32	150	120	30	6	5	1	2	1	1
954	SUICIDE & SELF-INFLIC INJURY BY DROWNING	9	6	3	7	5	2	2	1	1	0	0	0
955	SUICIDE & SELF-INFLIC INJURY BY FIREARMS/EXPLOSIVES	148	130	18	141	126	15	5	2	3	2	2	0
956	SUICIDE & SELF-INFLIC INJURY BY CUTTING/PIERCING INST	14	12	2	13	12	1	1	0	1	0	0	0
957	SUICIDE & SELF-INFLIC INJURY BY JUMPING-HIGH PLACE	26	19	7	21	14	7	4	4	0	1	1	0
958	SUICIDE & SELF-INFLIC INJURY BY OTH & UNSPECIF MEANS	27	22	5	24	19	5	3	3	0	0	0	0
959	LATE EFFECTS OF SELF-INFLICTED INJURY	2	1	1	2	1	1	0	0	0	0	0	0
960-969	HOMICIDE AND INJURY PURPOSELY INFLICTED BY OTHER PERSONS	224	166	58	133	91	42	86	71	15	5	4	1
960	FIGHT, BRAWL OR RAPE	1	1	0	1	1	0	0	0	0	0	0	0
963	ASSAULT BY HANGING AND STRANGULATION	11	3	8	7	1	6	4	2	2	0	0	0
965	ASSAULT BY FIREARMS AND EXPLOSIVES	121	106	15	61	50	11	56	52	4	4	4	0
966	ASSAULT BY CUTTING AND PIERCING INSTRUMENT	51	28	23	32	15	17	18	13	5	1	0	1
967	CHILD BATTERING & OTHER MALTREATMENT	3	2	1	3	2	1	0	0	0	0	0	0
968	ASSAULT BY OTHER & UNSPECIFIED MEANS	35	25	10	27	21	6	8	4	4	0	0	0
969	LATE EFFECTS OF INJURY PURPOSELY INFLIC BY OTH PERSON	2	1	1	2	1	1	0	0	0	0	0	0
970-978	LEGAL INTERVENTION	1	1	0	1	1	0	0	0	0	0	0	0
970	INJURY DUE TO LEGAL INTERVENTION BY FIREARMS	1	1	0	1	1	0	0	0	0	0	0	0
980-989	INJURY UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	408	330	78	375	303	72	32	26	6	1	1	0
980	POISONING BY SOLID/LIQ SUBS, UNDETERMINED INTENT	372	303	69	344	280	64	28	23	5	0	0	0
982	POISONING BY OTHER GASES, UNDETERMINED INTENT	2	2	0	2	2	0	0	0	0	0	0	0
983	HANGING, STRANGUL, SUFFOCATION, UNDETERMINED INTENT	4	3	1	2	2	0	2	1	1	0	0	0
984	DROWNING, UNDETERMINED INTENT	9	8	1	9	8	1	0	0	0	0	0	0
985	INJURY BY FIREARMS/EXPLOSIVES, UNDETERMINED INTENT	1	1	0	0	0	0	1	1	0	0	0	0
987	FALLING FROM HIGH PLACE, UNDETERMINED INTENT	2	1	1	1	0	1	1	1	0	0	0	0
988	INJURY BY OTH & UNSPECF MEANS, UNDETERMINED INTENT	18	12	6	17	11	6	0	0	0	1	1	0
	*** RESIDENT GRAND TOTALS	55296	26034	29262	52721	24638	28083	2136	1163	973	438	232	206

TOTALS INCLUDE 1 OF UNKNOWN RACE: 1 MALES AND 0 FEMALES.

INFANT & NEONATAL DEATHS

SECTION D

INFANT AND NEONATAL DEATHS

The total number of resident infant deaths (deaths of children less than 1 year of age) decreased by 16.0% in Massachusetts from 499 in 1994 to 419 in 1995. The rate of infant deaths also decreased--from 6.0 infant deaths per 1,000 live births in 1994 to 5.1 infant deaths per 1,000 live births in 1995. As with live births and other deaths, all Massachusetts resident infant deaths are included regardless of the state in which they occurred. Neonatal deaths (deaths of infants under 28 days of age) decreased from 349 in 1994 to 298 in 1995, a decrease of 14.6%. The rate of neonatal deaths also decreased from 4.2 per 1,000 live births in 1994 to 3.6 per 1,000 live births in 1995.

INFANT DEATHS BY RACE

Beginning with the publication of 1989 data, several changes occurred in the method of calculating infant mortality rates (IMRs) by race and ethnicity. **These changes affect only the calculation of race/ethnic infant mortality rates; all other data presented in this publication are comparable to information from previous years.** These changes are the result of new federal recommendations for analyzing birth information, including infant mortality data, and the implementation of the new Massachusetts Standard Certificate of Death in 1989.

Infants born to black non-Hispanic mothers continue to have the highest infant mortality rates (IMRs). The IMR for black non-Hispanics in 1995 was 11.1. This represents a decrease of 11.9% from 1994, but it is still substantially higher (2.5 times) than the IMR for white non-Hispanic infants.

In 1995, the IMR for Hispanics was 7.2 per 1,000 live births, a 5.3% decline from the 1994 rate. Infants born to Hispanic mothers, regardless of race, have higher IMRs than infants born to white non-Hispanic mothers, and they have lower rates than infants born to black non-Hispanic mothers. The 1995 IMR of 7.2 is 64% above the white non-Hispanic rate and 35% below the black non-Hispanic rate.

For the first time since 1990, infants born to Asian mothers did not have the lowest rates of infant mortality compared to the other race/ethnicity groups. The Asian IMR was 5.5 deaths per 1,000 live births, 25% higher than the white non-Hispanic rate. This also represents an increase of 130% over the 1994 rate. However, caution should be used when interpreting the 1994-1995 Asian infant mortality rate difference because it was based on a small number of deaths: 8 in 1994 and 19 in 1995.

INFANT DEATHS BY CAUSE

Certain conditions originating in the perinatal period (medical conditions arising from approximately 28 weeks gestation to 28 days of age) and congenital anomalies represented the two leading causes of death for infants among whites, blacks and Hispanics.

The overall leading causes of infant death were conditions originating in the perinatal period (209 deaths) and congenital anomalies (97 deaths). Other causes of infant death were: sudden infant death syndrome (SIDS, 33 deaths) and homicide (3 deaths). The number of deaths from SIDS decreased from 58 in 1994 to 33 in 1995, while the number of homicide deaths remained constant. The number of infant deaths from respiratory causes originating in the perinatal period declined from 69 to 49. In addition, there was a 19% decline in the number of congenital anomaly deaths between 1994 and 1995.

SIDS was the leading cause of death in the post-neonatal period (28-365 days), while disorders relating to short gestation and low birthweight was the leading cause in the neonatal period.

DEFINITIONS IMPORTANT FOR THIS SECTION INCLUDE:

INFANT DEATH

Death of a child whose age is less than one year (365 days).

NEONATAL DEATH

Death of a child whose age is less than 28 days.

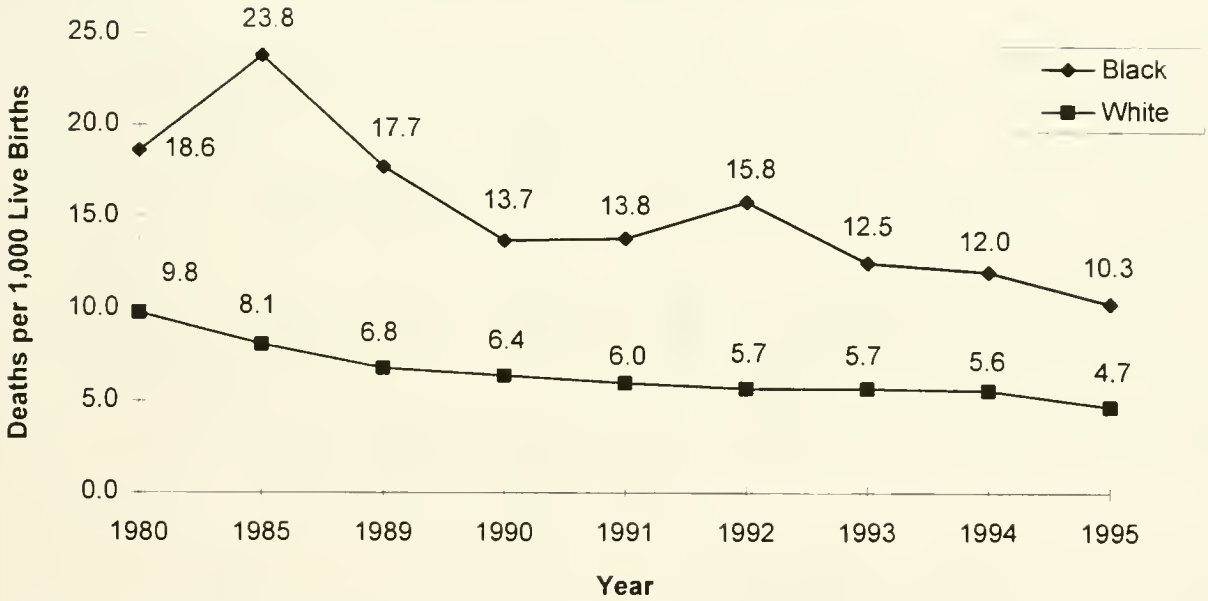
POST NEONATAL DEATH

Death of a child whose age is at least 28 days, but less than one year.

RATES IMPORTANT FOR THIS SECTION INCLUDE:

INFANT MORTALITY RATE (IMR)	$\frac{\text{\# of Resident Deaths at Less than 1 Year of Age}}{\text{Total Resident Live Births}} \times 1{,}000$
NEONATAL MORTALITY RATE (NMR)	$\frac{\text{\# of Resident Deaths at Less than 28 Days of Age}}{\text{Total Resident Live Births}} \times 1{,}000$
POST NEONATAL MORTALITY RATE (PNMR)	$\frac{\text{\# of Resident Deaths at Least 28 Days Old but } < 365 \text{ Days Old}}{\text{Total Resident Live Births}} \times 1{,}000$

Figure D-1. Infant Mortality Rates[1,2] by Race[3]
Massachusetts: 1980, 1985, 1989-1995

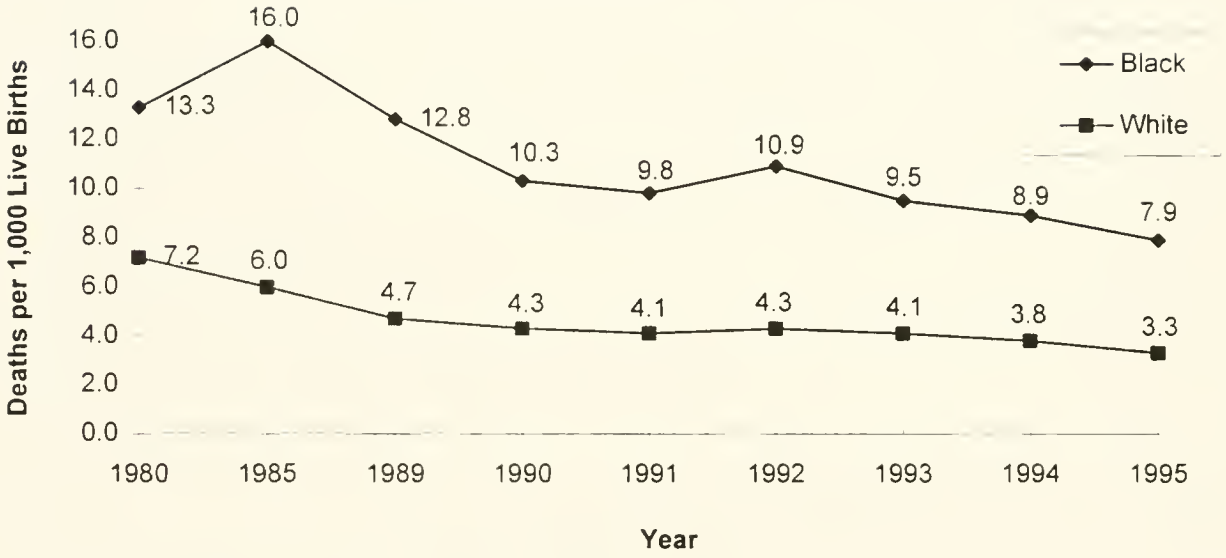


[1] Infant mortality rates are per 1,000 live births.

[2] Infant: A child less than one year (365 days) old.

[3] For rate computations, infants of unknown race are allocated into the race categories according to the distribution of births of known race.

Figure D-2. Neonatal Mortality Rates[1,2] by Race[3]
Massachusetts: 1980, 1985, 1989-1995



[1] Neonatal mortality rates are per 1,000 live births.

[2] Neonatal: a child less than 28 days old.

[3] For rate computations, infants of unknown race are allocated into the race categories according to the distribution of births of known race.

Table D-1.Trends in Infant, Neonatal, and Post Neonatal Mortality by Race and Hispanic Ethnicity, 1989-1995

INFANT[1]

Year	Total[2]		White non-Hispanic		Black non-Hispanic		Hispanic		Asian		Other[3]	
	#	Rate[4]	#	Rate	#	Rate	#	Rate	#	Rate	#	Rate
1989	697	7.6	482	6.6	126	18.8	67	8.6	15	4.6	7	8.1
1990	649	7.0	442	6.1	98	13.7	77	9.1	24	7.0	8	9.5
1991	577	6.5	381	5.5[5]	101	15.0	80	9.4	14	4.2	1	-[6]
1992	569	6.5	371	5.5	110	16.4	67	7.9	16	4.9	5	5.1
1993	523	6.2	346	5.3	84	13.1	77	9.3	13	3.9	3	-
1994	499	6.0	343	5.3	79	12.6	64	7.6	8	2.4	5	5.3
1995	419	5.1	275	4.4	65	11.1	58	7.2	19	5.5	2	-

NEONATAL[7]

Year	Total[2]		White non-Hispanic		Black non-Hispanic		Hispanic		Asian		Other[3]	
	#	Rate[4]	#	Rate	#	Rate	#	Rate	#	Rate	#	Rate
1989	479	5.2	327	4.5	93	13.9	49	6.3	6	1.8	4	-
1990	446	4.8	298	4.1	75	10.5	49	5.8	19	5.5	5	5.5
1991	401	4.5	266	3.9	72	10.7	53	6.2	10	3.0	0	0.0
1992	415	4.8	274	4.0	76	11.4	51	6.0	10	3.0	4	-
1993	375	4.4	245	3.7	64	10.0	55	6.7	9	2.7	2	-
1994	349	4.2	240	3.7	58	9.3	40	4.7	7	2.1	4	-
1995	298	3.6	198	3.1	50	8.5	39	4.8	10	2.9	1	-

Table D-1. (continued) Trends in Post Neonatal Mortality by Race and Hispanic Ethnicity, 1989-1995

	POST NEONATAL[8]											
	Total[2]		White non-Hispanic		Black non-Hispanic		Hispanic		Asian		Other[3]	
Year	#	Rate[4]	#	Rate	#	Rate	#	Rate	#	Rate	#	Rate
1989	218	2.4	155	2.1	33	4.9	18	2.3	9	2.8	3	-
1990	203	2.2	144	2.0	23	3.2	28	3.3	5	1.5	3	-
1991	176	2.0	115	1.7	29	4.3	27	3.2	4	-	1	-
1992	154	1.8	97	1.4	34	5.1	16	1.9	6	1.8	1	-
1993	148	1.7	101	1.5	20	3.1	22	2.7	4	-	1	-
1994	150	1.8	103	1.6	21	3.3	24	2.8	1	-	1	-
1995	121	1.5	77	1.2	15	2.6	19	2.3	9	2.6	1	-

1 Infant: A child less than one year (365) days old. 2 Deaths of infants of unknown race are included in the total calculation. For rate computations, births of infants of unknown race are allocated into the race categories according to the distribution of births of known race. 3. Other: American Indian and Other. 4 Infant, neonatal, and post neonatal mortality rates are per 1,000 live births. 5 Within race/ethnic categories, the sum of the neonatal and post neonatal infant mortality rates does not always equal the overall infant mortality rate due to rounding. 6 Calculations based on fewer than five events are excluded. 7 Neonatal: A child less than 28 days old. 8 Post Neonatal: A child whose age is at least 28 days, but less than one year.

Table D-2. Trends in Infant Deaths, Massachusetts: 1980-1995[1,2]

Year	Total[3]		White		Black		Asian/Other[4]	
	#	Rate[5]	#	Rate	#	Rate	#	Rate
1980	748	10.3	655	9.8	87	18.6	5	4.6
1981	710	9.6	616	9.1	85	18.2	8	6.1
1982	764	10.1	656	9.4	102	21.3	5	3.3
1983	682	9.0	579	8.3	89	19.0	12	7.4
1984	699	8.9	601	8.4	82	16.4	13	7.5
1985	745	9.1	608	8.1	126	23.8	11	6.1
1986	695	8.4	560	7.5	123	22.0	11	4.6
1987	608	7.2	486	6.4	110	17.5	12	4.5
1988	693	7.9	546	7.0	133	19.5	13	3.8
1989	697	7.6	549	6.8	131	17.7	17	4.8
1990	649	7.0	519	6.4	106	13.7	24	6.5
1991	577	6.5	461	6.0	102	13.8	14	3.9
1992	569	6.5	438	5.7	114	15.8	17	4.7
1993	523	6.2	423	5.7	87	12.5	13	3.5
1994	499	6.0	407	5.6	81	12.0	11	2.9
1995	419	5.1	333	4.7	65	10.3	21	5.5

Trends in Neonatal Deaths, Massachusetts: 1980-1995[1,2]

Year	Total[3]		White		Black		Asian/Other[4]	
	#	Rate[5]	#	Rate	#	Rate	#	Rate
1980	550	7.6	483	7.2	62	13.3	5	4.6
1981	510	6.9	442	6.5	59	12.4	5	3.8
1982	573	7.6	494	7.1	75	15.7	3	-[6]
1983	482	6.3	411	5.9	63	13.4	7	4.3
1984	472	6.0	411	5.8	49	9.8	8	4.6
1985	538	6.6	447	6.0	85	16.0	5	2.8
1986	478	5.8	383	5.2	89	15.9	5	2.1
1987	432	5.1	343	4.6	80	12.7	9	3.4
1988	477	5.4	383	4.9	87	12.8	6	1.8
1989	479	5.2	376	4.7	95	12.8	8	2.3
1990	446	4.8	347	4.3	80	10.3	9	5.1
1991	401	4.5	319	4.1	72	9.8	10	2.8
1992	415	4.8	325	4.3	79	10.9	11	3.1
1993	375	4.4	300	4.1	66	9.5	9	2.4
1994	349	4.2	280	3.8	60	8.9	9	2.4
1995	298	3.6	237	3.3	50	7.9	11	2.9

1 Hispanic origin could not be identified on the Massachusetts death certificate before 1989; thus, Hispanic trend data are not available. Most Hispanics are included in the race category of white. Hispanic infant mortality data for the years 1989 through 1995 are presented in Table 6B. 2 Neonatal: A child less than 28 days old. 3 Deaths of infants of unknown race are included in the total calculation. For rate computations, infants of unknown race are allocated into the race categories according to the distribution of births of known race. 4 Other: American Indian, etc. 5 Neonatal, and post neonatal mortality rates are per 1,000 live births. 6. Calculations based on fewer than five events are excluded.

Table D-2. Trends in Post Neonatal Deaths, Massachusetts: 1980-1995[1,2]

Year	Total[3]		White		Black		Asian/Other[4]	
	#	Rate[5]	#	Rate	#	Rate	#	Rate
1980	198	2.7	172	2.6	25	5.3	0	0.0
1981	200	2.7	174	2.6	26	5.8	3	-[6]
1982	191	2.5	162	2.3	27	5.6	2	-
1983	200	2.7	168	2.4	26	5.6	5	3.1
1984	227	2.9	190	2.6	33	6.6	5	2.9
1985	207	2.5	161	2.1	41	7.8	6	3.3
1986	217	2.6	177	2.3	34	6.1	6	2.5
1987	176	2.1	143	1.8	30	4.8	3	-
1988	216	2.5	163	2.1	46	6.7	7	2.0
1989	218	2.4	173	2.1	36	4.9	9	2.5
1990	203	2.2	172	2.1	26	3.4	5	1.4
1991	176	2.0	142	1.8	30	4.1	4	-
1992	154	1.8	113	1.5	35	4.8	6	1.7
1993	148	1.7	123	1.7	21	3.0	4	-
1994	150	1.8	127	1.7	21	3.1	2	-
1995	121	1.5	96	1.3	15	2.4	10	2.6

1 Hispanic origin could not be identified on the Massachusetts death certificate before 1989; thus, Hispanic trend data are not available. Most Hispanics are included in the race category of white. Hispanic infant mortality data for the years 1989 through 1995 are presented in Table 6B. 2 Post Neonatal: A child at least 28 days, but less than one year old. 3 Deaths of infants of unknown race are included in the total calculation. For rate computations, infants of unknown race are allocated into the race categories according to the distribution of births of known race. 4 Other: American Indian, etc. 5 Post neonatal mortality rates are per 1,000 live births. 6. Calculations based on fewer than five events are excluded.

Table D-3. Infant, Neonatal, and Post Neonatal Deaths by Cause[1], Massachusetts: 1995

Cause of Death	ICD-9 Code	Infant (<1 year) #	Infant (<1 year) %[2,3]	Neonatal (<28 days) #	Neonatal (<28 days) %	Post Neonatal (28-365 days) #	Post Neonatal (28-365 days) %
TOTAL		419	100%	298	100%	121	100%
Infectious and parasitic diseases	001-139	12	2.9	2	---	10	8.3
Diseases of blood and blood-forming organs	280-289	2	---	2	---	0	0.0
Other diseases of nervous system and sense organs	323-389	9	2.1	1	---	8	6.6
Diseases of the respiratory system	460-519	14	3.3	2	---	12	9.9
Diseases of digestive system	520-579	3	---	1	---	2	---
Congenital anomalies	740-759	97	23.2	73	24.5	24	19.8
Anencephalus and similar anomalies	740	4	---	4	---	0	---
Congenital anomalies of central nervous system and eye	742-743	5	---	3	---	2	---
Congenital anomalies of heart	745-746	36	---	23	---	13	---
Other congenital anomalies of circulatory system	747	6	---	4	---	2	---
Congenital anomalies of respiratory system	748	19	---	18	---	1	---
Congenital anomalies of genitourinary system	752-753	6	---	5	---	1	---
Congenital anomalies of musculoskeletal system	754-756	5	---	4	---	1	---
Chromosomal anomalies	758	12	---	10	---	2	---
Certain conditions originating in the perinatal period	760-779	209	49.9	200	67.1	9	7.4
Newborn affected by maternal conditions which may be unrelated to present pregnancy	760	2	---	2	---	0	---
Newborn affected by maternal complications of pregnancy	761	22	---	22	---	0	---
Newborn affected by complications of placenta, cord and membrane	762	18	---	18	---	0	---
Newborn affected by other complications of labor and delivery	763	1	---	1	---	0	---
Slow fetal growth and fetal malnutrition	764	1	---	1	---	0	---
Disorders relating to short gestation and unspecified low birthweight	765	69	---	69	---	0	---
Birth trauma	767	2	---	1	---	1	---
Intrauterine hypoxia and birth asphyxia	768	5	---	5	---	0	---
Respiratory distress syndrome	769	21	---	20	---	1	---
Other respiratory conditions of newborn	770	28	---	26	---	2	---
Infections specific to the perinatal period	771	12	---	10	---	2	---
Neonatal hemorrhage	772	3	---	3	---	0	---
Other and ill-defined conditions originating in the perinatal period	775-779	25	---	22	---	3	---
Symptoms, signs, and ill-defined conditions	780-799	40	9.5	4	---	36	29.8
Sudden Infant Death Syndrome (SIDS)	798.0	33	---	0	---	33	---
Accidents and adverse effects	E800-E949	6	1.4	1	---	5	4.1
Accidental mechanical suffocation	E913	4	---	0	---	4	---
Homicide	E960-E969	3	---	1	---	2	---
All other causes	Residual	24	5.7	11	3.7	13	10.7

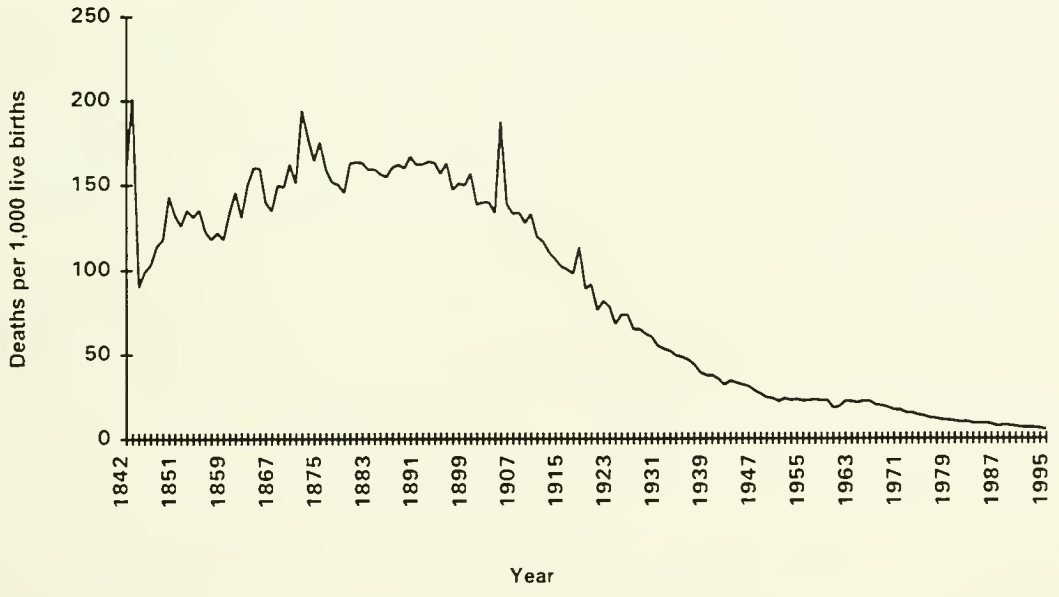
[1] The ICD-9 cause categories presented in this table were updated starting with Advanced Data Deaths: 1994. Refer to the Technical Notes in the Appendix for an explanation. [2] Percents not calculated for subcategories. [3] Calculations based on fewer than five events are excluded.

Table D-4. Infant Deaths by Major Causes, Race and Hispanic Ethnicity, Massachusetts: 1995

Cause of Death	ICD-9 Code	White		Black		Hispanic[1]	
		#	%	#	%	#	%
TOTAL		333	100%	65	100%	58	100%
Congenital anomalies	740-759	85	25.5	7	10.8	11	19.0
Certain conditions originating in the perinatal period	760-779	157	47.1	44	67.7	31	53.4
Symptoms,signs, and ill-defined conditions	780-799	30	9.0	6	9.2	3	--[2]
Accidents and adverse effects	E800-E949	5	1.5	1	---	1	---
Homicide	E960-E969	3	---	0	0	1	---
All other causes	Residual	53	15.9	7	10.8	11	19.0

[1] Persons of Hispanic ethnicity are also included in the race categories, consistent with the U.S Census population classification. [2]Calculations based on fewer than five events are excluded.

Figure D-3. Infant Mortality Rates, Massachusetts: 1842-1995[1]



[1] Data not available for 1850.

MARRIAGES & DIVORCES

SECTION E

MARRIAGES AND DIVORCES

Marriages and divorces are reported by place of occurrence in Massachusetts. For example, if two Malden residents are married in Everett, this marriage will be reported by place of occurrence (Everett) rather than the residence of the couple (Malden). Marriages have traditionally been reported in this manner because of the number of couples who live in different communities. Additionally, out-of-state residents who marry in Massachusetts are included in these data.

Marriages and divorces which involve Massachusetts residents, but occur in other states, are not included in these figures. No system of interstate exchange exists for these events. Unlike some states, Massachusetts marriage and divorce laws neither encourage out-of-state residents to come to the state nor discourage residents from using the Massachusetts system by imposing long waiting periods, etc. This allows the marriage data to be used to estimate resident marriages.

In 1995, 41,522 marriages occurred in Massachusetts compared to 42,503 in 1994, a decrease of 2.3%. The rate of marriages was 6.8 per 1,000 population in 1995, a slight decrease from the rate of 7.0 in 1994. The 1995 U.S. rate of marriages per 1,000 population was 8.9, slightly less than the 1994 U.S. rate of 9.1. Of all brides in Massachusetts in 1995, 75.1% had never previously been married. This percentage was slightly less among the grooms--74.2%.

In 1995, 15,772 divorces were granted in Massachusetts, an increase of 2.1% from the 15,450 divorces granted in 1994. The 1995 rate of divorce per 1,000 population in Massachusetts was 2.6, slightly higher than the 1994 divorce rate of 2.5. This rate was well below the 1995 U.S. rate of 4.4 divorces per 1,000 population.

RATES IMPORTANT FOR THIS SECTION INCLUDE:

MARRIAGE RATE	$\frac{\text{Number of Occurrence Marriages}}{\text{Total Population}} \times 1{,}000$
DIVORCE RATE	$\frac{\text{Number of Occurrence Divorces}}{\text{Total Population}} \times 1{,}000$

Table E-1. Marriages and Divorces by County

Massachusetts Occurrence: 1995

	Marriages	Divorces
State Total	41,522	15,772
Counties		
Barnstable	2,227	585
Berkshire	1,003	423
Bristol	3,448	1,444
Dukes	384	49
Essex	4,826	1,897
Franklin	475	300
Hampden	2,841	1,334
Hampshire	916	315
Middlesex	8,807	2,919
Nantucket	326	36
Norfolk	3,821	1,519
Plymouth	2,998	1,541
Suffolk	4,761	1,066
Worcester	4,689	2,344

Figure E-1. Rates of Marriages and Divorces per 1,000 Population, Massachusetts: 1900-1995

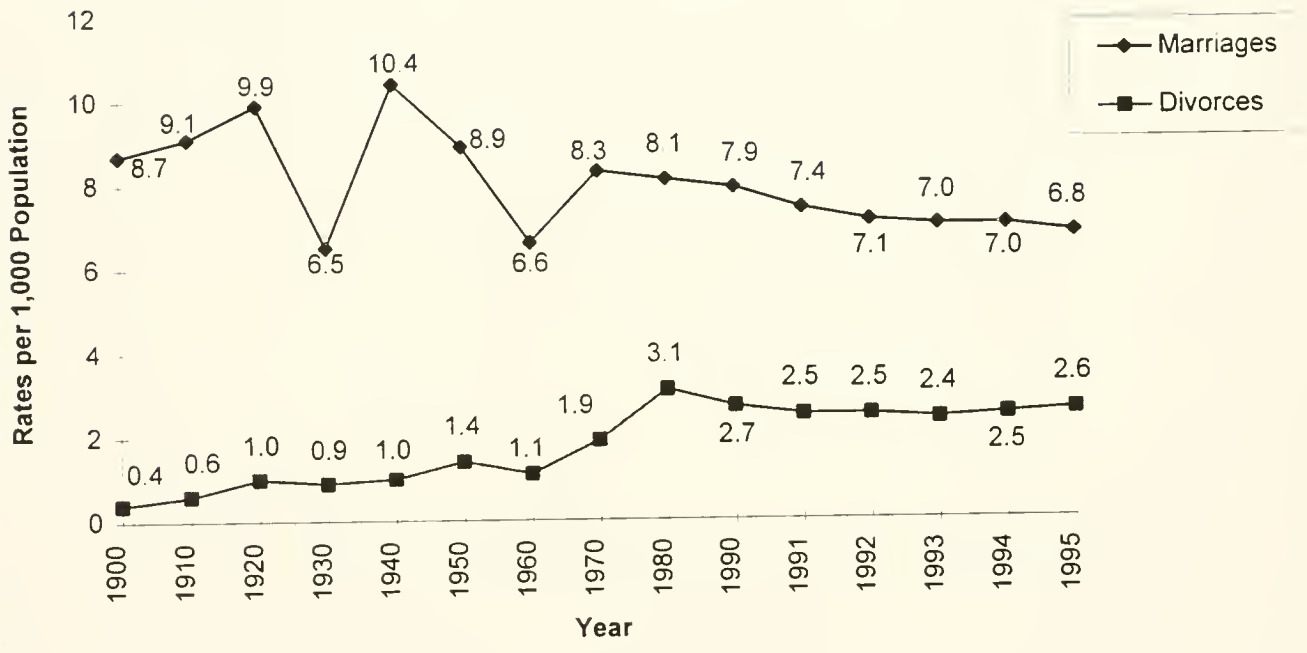


Table E-2. Marriages and Divorces and Rates Per 1,000 Population

Massachusetts Occurrence: 1900-1995

	Marriages		Divorces	
Year	Number	Rate	Number	Rate
1900	24,342	8.7	1,258	0.4
1905	27,184	9.1	1,554	0.5
1910	30,710	9.1	1,929	0.6
1915	31,301	8.5	2,252	0.6
1920	38,048	9.9	3,647	1.0
1925	31,238	7.5	3,395	0.8
1930	27,431	6.5	3,746	0.9
1935	30,019	6.9	4,081	0.9
1940	44,836	10.4	4,502	1.0
1945	38,197	8.5	6,833	1.5
1950	41,711	8.9	6,365	1.4
1955	35,585	7.3	5,601	1.2
1960	34,050	6.6	5,592	1.1
1965	38,281	7.2	7,728	1.5
1970	47,292	8.3	10,818	1.9
1975	42,103	7.3	16,460	2.8
1980	46,273	8.1	17,873	3.1
1985	49,849	8.6	21,573	3.7
1986	49,990	8.6	19,809	3.4
1987	49,034	8.4	16,994	2.9
1988	49,941	8.5	17,676	3.0
1989	49,174	8.4	16,819	2.9
1990	47,786	7.9	16,258	2.7
1991	44,621	7.4	14,987	2.5
1992	43,228	7.1	15,411	2.5
1993	42,355	7.0	14,435	2.4
1994	42,503	7.0	15,450	2.5
1995	41,522	6.8	15,772	2.6

Table E-3. Marriages by Age and Marital Status

Massachusetts Occurrence: 1995

Bride

	Total		Single		Widowed		Divorced	
Age	Number	%	Number	%	Number	%	Number	%
Total	41,522	100.0	31,198	75.1	819	2.0	9,505	22.9
<20	1,273	100.0	1,270	99.8	0	0.0	3	0.2
20-29	22,906	100.0	21,350	93.2	24	0.1	1,532	6.7
30-39	12,098	100.0	7,531	62.3	137	1.1	4,430	36.6
40-49	3,794	100.0	919	24.2	207	5.5	2,668	70.3
50-59	1,002	100.0	96	9.6	186	18.6	720	71.8
60-69	317	100.0	26	8.2	157	49.5	134	42.3
70+	132	100.0	6	4.6	108	81.8	18	13.6

Groom

	Total		Single		Widowed		Divorced	
Age	Number	%	Number	%	Number	%	Number	%
Total	41,522	100.0	30,796	74.2	840	2.0	9,886	23.8
<20	404	100.0	404	100.0	0	0.0	0	0.0
20-29	19,589	100.0	18,737	95.6	10	0.1	842	4.3
30-39	14,262	100.0	10,111	70.9	66	0.5	4,085	28.6
40-49	4,695	100.0	1,336	28.5	135	2.9	3,224	68.6
50-59	1,684	100.0	163	9.7	173	10.3	1,348	80.0
60-69	605	100.0	33	5.4	249	41.2	323	53.4
70+	283	100.0	12	4.2	207	73.2	64	22.6

Table E-4. Number of Marriages by Age of Bride and Age of Groom Massachusetts Occurrence: 1995								
		Age of Groom						
Age of Bride	Total	<20	20-29	30-39	40-49	50-59	60-69	≥70
Total	41,522	404	19,589	14,262	4,695	1,684	605	283
<20	1,273	253	934	77	8	0	1	0
20-29	22,906	144	16,322	5,913	466	58	3	0
30-39	12,098	7	2,209	7,279	2,233	321	42	7
40-49	3,794	0	121	936	1,780	799	142	16
50-59	1,002	0	3	52	200	448	251	48
60-69	317	0	0	3	7	56	149	102
70+	132	0	0	2	1	2	17	110

Table E-5. Number of Marriages for Bride by Number of Marriages for Groom Massachusetts Occurrence: 1995						
		Number of Marriages Groom				
Bride	Total	1	2	3	4	5+
Total	41,522	30,797	8,985	1,544	168	28
1	31,196	26,526	4,131	492	41	6
2	8,728	3,832	4,021	780	80	15
3	1,407	401	739	231	31	5
4	161	36	78	33	12	2
5+	30	2	16	8	4	0

POPULATION

SECTION F

POPULATION

The population data in this section are presented for use in computing rates for small areas and for reporting changes over time by municipality and county. They are based primarily on the U.S. Federal Census for 1990.

Prior to 1985, the Massachusetts State Census method of enumeration differed from the federal census. Generally, the state figures excluded non-resident students and military families residing in the Commonwealth; they are included in the U.S. Census definition of resident.

The Massachusetts population estimates for the years 1981-1989 (Table F-4) are calculated as linear interpolations from 1980 and 1990 U.S. Federal Census data. The 1995 population estimate is an interpolation of the 1990 U.S. Federal Census and MISER projections for 1995.

All additional interpolations and calculations have been provided by Robert A. Danley, Ph.D., and Yong Chen, Division of Research and Epidemiology, Bureau of Health Statistics, Research and Evaluation, Massachusetts Department of Public Health.

In 1995, there were an estimated 6,127,719 residents of Massachusetts. This represents a 4.3% increase in population since 1985, when the population numbered 5,876,737. Among the total 1995 population in Massachusetts, almost 48% were male, 25.5% were below the age of 20, and 6.5% were over 75 years of age.

Figure F-1. Massachusetts Population: 1900-1995

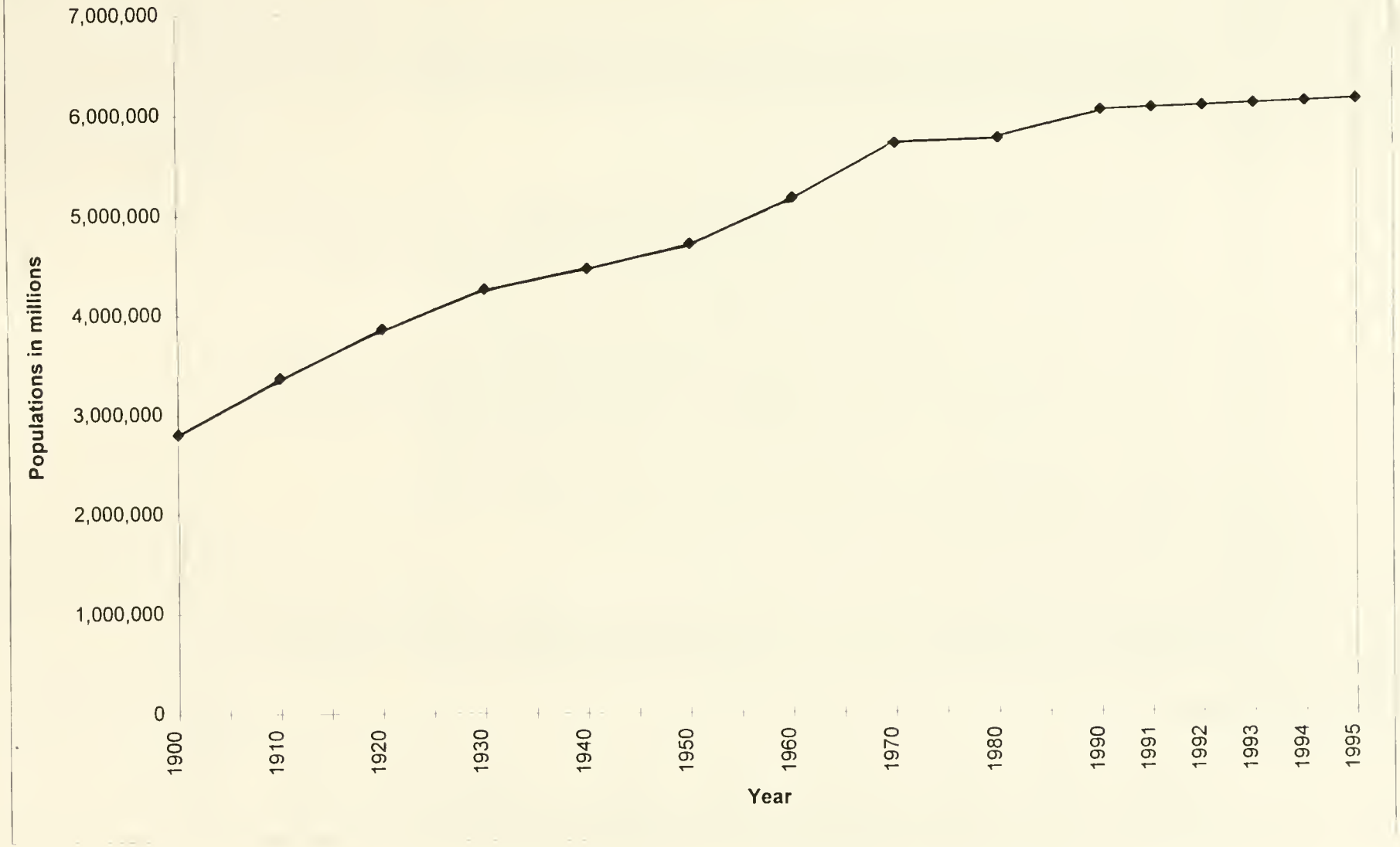


Table F-1. Population by Race, Age and Sex, Massachusetts: 1990[1]

Age	Sex	Total	White	Black	Other
Under 1	Male	46,018	40,463	3,925	1,630
	Female	44,125	38,546	3,926	1,653
	Total	90,143	79,009	7,851	3,283
1-4	Male	169,427	149,849	13,663	5,915
	Female	161,779	142,349	13,489	5,941
	Total	331,206	292,198	27,152	11,856
5-9	Male	193,482	172,170	14,393	6,919
	Female	183,137	162,336	14,104	6,697
	Total	376,619	334,506	28,497	13,616
10-14	Male	177,899	159,257	13,226	5,416
	Female	169,117	150,743	12,916	5,458
	Total	347,016	310,000	26,142	10,874
15-19	Male	209,289	187,227	14,627	7,435
	Female	206,741	184,529	14,595	7,617
	Total	416,030	371,756	29,222	15,052
20-24	Male	256,657	231,290	16,344	9,023
	Female	260,537	234,182	17,002	9,353
	Total	517,194	465,472	33,346	18,376
25-29	Male	277,295	251,142	16,785	9,368
	Female	279,025	252,738	17,311	8,976
	Total	556,320	503,880	34,096	18,344
30-34	Male	268,701	244,766	15,346	8,589
	Female	273,629	249,299	15,867	8,463
	Total	542,330	494,065	31,213	17,052
35-39	Male	237,202	217,981	12,403	6,818
	Female	243,972	223,847	13,153	6,972
	Total	481,174	441,828	25,556	13,790
40-44	Male	211,399	196,542	9,811	5,046
	Female	221,975	206,029	10,619	5,327
	Total	433,374	402,571	20,430	10,373
45-49	Male	162,636	152,146	7,024	3,466
	Female	170,698	159,100	8,211	3,387
	Total	333,334	311,246	15,235	6,853

[1] Figures are from the 1990 U.S. Census.

Table F-1. (continued) Population by Race, Age and Sex, Massachusetts: 1990

Age	Sex	Total	White	Black	Other
50-54	Male	126,581	118,555	5,246	2,780
	Female	136,020	127,187	6,274	2,559
	Total	262,601	245,742	11,520	5,339
55-59	Male	120,175	113,887	4,238	2,050
	Female	131,999	124,575	5,263	2,161
	Total	252,174	238,462	9,501	4,211
60-64	Male	121,609	116,299	3,762	1,548
	Female	140,296	133,558	4,844	1,894
	Total	261,905	249,857	8,606	3,442
65-69	Male	110,424	106,135	3,064	1,225
	Female	140,959	135,442	4,083	1,434
	Total	251,383	241,577	7,147	2,659
70-74	Male	85,541	82,863	1,965	713
	Female	121,790	117,883	2,973	934
	Total	207,331	200,746	4,938	1,647
75-79	Male	59,037	57,350	1,199	488
	Female	100,616	97,776	2,156	684
	Total	159,653	155,126	3,355	1,172
80-84	Male	33,468	32,561	669	238
	Female	72,831	71,105	1,338	388
	Total	106,299	103,666	2,007	626
$\geq$ 85	Male	21,905	21,324	439	142
	Female	68,434	66,965	1,187	282
	Total	90,339	88,289	1,626	424
Total	Male	2,888,745	2,651,807	158,129	78,809
	Female	3,127,680	2,878,189	169,311	80,180
	Total	6,016,425	5,529,996	327,440	158,989

Figure F-2. 1990 Massachusetts Population by Age Group

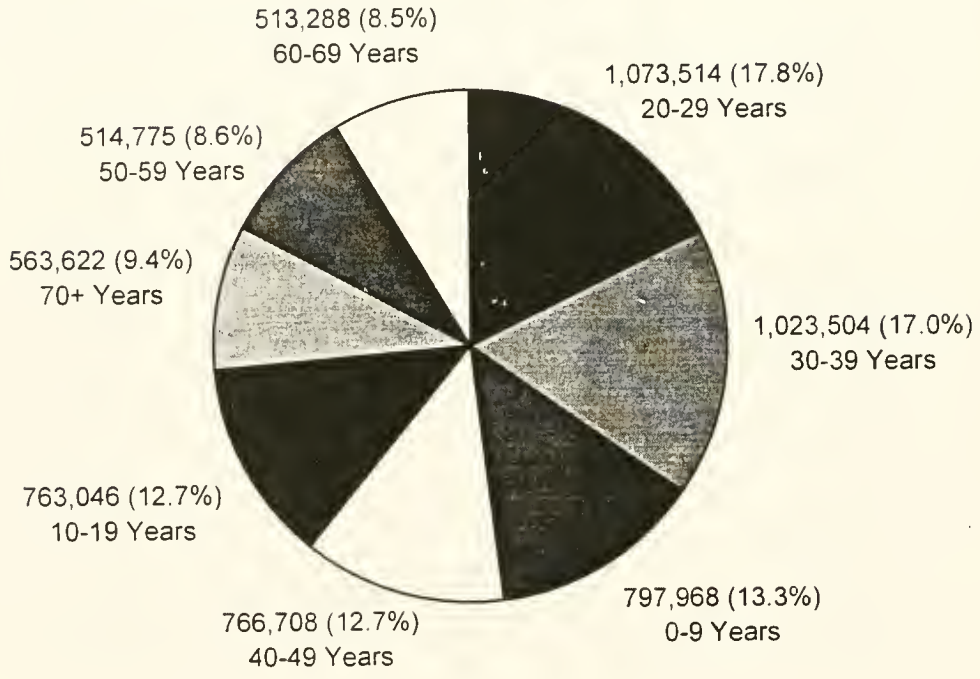


Figure F-3. 1990 Massachusetts Population by Race

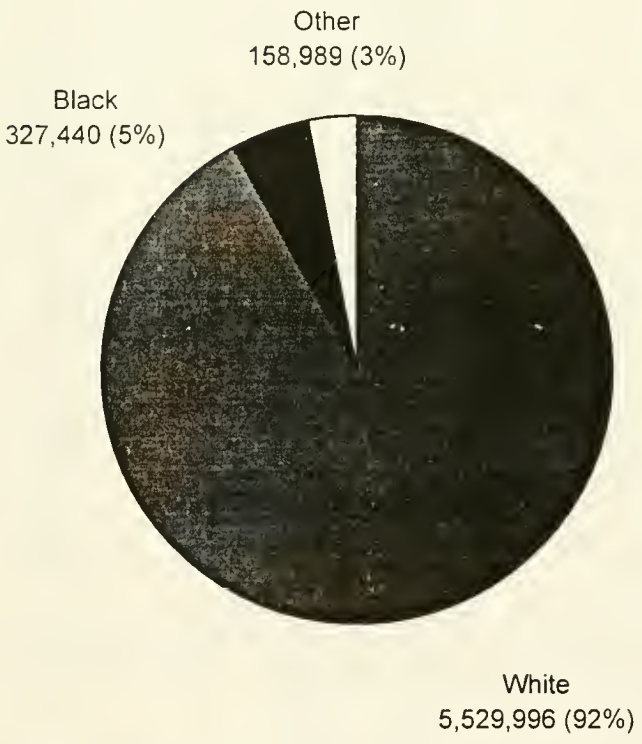


Table F-2. Massachusetts Population by County: 1960-1990

	Federal 1960	State 1965[1]	Federal 1970	State 1975[2]	Federal 1980	State 1985[3]	Federal 1990[4]
State	5,148,578	5,418,878	5,689,170	5,713,107	5,737,037	5,876,734	6,016,425
Counties							
Barnstable	70,286	83,471	96,656	122,291	147,925	167,265	186,605
Berkshire	142,135	145,769	149,402	147,256	145,110	142,231	139,352
Bristol	398,488	421,395	444,301	459,471	474,641	490,483	506,325
Dukes	5,829	5,973	6,117	7,530	8,942	10,291	11,639
Essex	568,831	603,359	637,887	635,760	633,632	651,856	670,080
Franklin	54,864	57,037	59,210	61,764	64,317	67,205	70,092
Hampden	429,353	444,202	459,050	451,034	443,018	449,664	456,310
Hampshire	103,229	113,605	123,981	131,397	138,813	142,691	146,568
Middlesex	1,238,742	1,318,005	1,397,268	1,382,151	1,367,034	1,382,751	1,398,468
Nantucket	3,559	3,667	3,774	4,431	5,087	5,550	6,012
Norfolk	510,256	557,654	605,051	605,819	606,587	611,337	616,087
Plymouth	248,449	290,882	333,314	369,376	405,437	420,357	435,276
Suffolk	791,329	763,260	735,190	692,666	650,142	657,024	663,906
Worcester	583,228	610,599	637,969	642,161	646,352	678,029	709,705

[1] 1965 State Census figures are interpolations of the 1960 and 1970 U.S. Census counts. [2] 1975 State Census figures are interpolations of the 1970 and 1980 U.S. Census counts. [3] 1985 State Census figures are interpolations of the 1980 and 1990 U.S. Census counts. [4] Figures are from the 1990 U.S. Census.

Table F-3. Massachusetts Population by City and Town: 1980 and 1990

City/Town	1980 US Census	1990 US Census	City/Town	1980 US Census	1990 US Census
Abington	13,517	13,817	Dover	4,703	4,915
Acton	17,544	17,872	Dracut	21,249	25,594
Acushnet	8,704	9,554	Dudley	8,717	9,540
Adams	10,381	9,445	Dunstable	1,671	2,236
Agawam	26,271	27,323	Duxbury	11,807	13,895
Alford	394	418	East Bridgewater	9,945	11,104
Amesbury	13,971	14,997	East Brookfield	1,955	2,033
Amherst	33,229	35,228	East Longmeadow	12,905	13,367
Andover	26,370	29,151	Eastham	3,472	4,462
Arlington	48,219	44,630	Easthampton	15,580	15,537
Ashburnham	4,075	5,433	Easton	16,623	19,807
Ashby	2,311	2,717	Edgartown	2,204	3,062
Ashfield	1,458	1,715	Egremont	1,311	1,229
Ashland	9,165	12,066	Erving	1,326	1,372
Athol	10,634	11,451	Essex	2,998	3,260
Attleboro	34,196	38,383	Everett	37,195	35,701
Auburn	14,845	15,005	Fairhaven	15,759	16,132
Avon	5,026	4,558	Fall River	92,574	92,703
Ayer	6,993	6,871	Falmouth	23,640	27,960
Barnstable	30,898	40,949	Fitchburg	39,580	41,194
Barre	4,102	4,546	Florida	730	742
Becket	1,339	1,481	Foxborough	14,148	14,637
Bedford	13,067	12,996	Framingham	65,113	64,989
Belchertown	8,339	10,579	Franklin	18,217	22,095
Bellingham	14,300	14,877	Freetown	7,058	8,522
Belmont	26,100	24,720	Gardner	17,900	20,125
Berkley	2,731	4,237	Gay Head	220	201
Berlin	2,215	2,293	Georgetown	5,687	6,384
Bernardston	1,750	2,048	Gill	1,259	1,583
Beverly	37,655	38,195	Gloucester	27,768	28,716
Billerica	36,727	37,609	Goshen	651	830
Blackstone	6,570	8,023	Gosnold	63	98
Blandford	1,038	1,187	Grafton	11,238	13,035
Bolton	2,530	3,134	Granby	5,380	5,565
Boston	562,994	574,283	Granville	1,204	1,403
Bourne	13,874	16,064	Great Barrington	7,405	7,725
Boxborough	3,126	3,343	Greenfield	18,436	18,666
Boxford	5,374	6,266	Groton	6,154	7,511
Boylston	3,470	3,517	Groveland	5,040	5,214
Braintree	36,337	33,836	Hadley	4,125	4,231
Brewster	5,226	8,440	Halifax	5,513	6,526
Bridgewater	17,202	21,249	Hamilton	6,960	7,280
Brimfield	2,318	3,001	Hampden	4,745	4,709
Brockton	95,172	92,788	Hancock	643	628
Brookfield	2,397	2,968	Hanover	11,358	11,912
Brookline	55,062	54,718	Hanson	8,617	9,028
Buckland	1,864	1,928	Hardwick	2,272	2,385
Burlington	23,486	23,302	Harvard	12,170	12,329
Cambridge	95,322	95,802	Harwich	8,971	10,275
Canton	18,182	18,530	Hatfield	3,045	3,184
Carlisle	3,306	4,333	Haverhill	46,865	51,418
Carver	6,988	10,590	Hawley	280	317
Charlemont	1,149	1,249	Heath	482	716
Charlton	6,719	9,576	Hingham	20,339	19,821
Chatham	6,071	6,579	Hinsdale	1,707	1,959
Chelmsford	31,174	32,383	Holbrook	11,140	11,041
Chelsea	25,431	28,710	Holden	13,336	14,628
Cheshire	3,124	3,479	Holland	1,589	2,185
Chester	1,123	1,280	Holliston	12,622	12,926
Chesterfield	1,000	1,048	Holyoke	44,678	43,704
Chicopee	55,112	56,632	Hopedale	3,905	5,666
Chilmark	489	650	Hopkinton	7,114	9,191
Clarksburg	1,871	1,745	Hubbardston	1,797	2,797
Clinton	12,771	13,222	Hudson	16,408	17,233
Cohasset	7,174	7,075	Hull	9,714	10,466
Colrain	1,552	1,757	Huntington	1,804	1,987
Concord	16,293	17,076	Ipswich	11,158	11,873
Conway	1,213	1,529	Kingston	7,362	9,045
Cummington	657	785	Lakeville	5,931	7,785
Dalton	6,797	7,155	Lancaster	6,334	6,661
Danvers	24,100	24,174	Lanesborough	3,131	3,032
Dartmouth	23,966	27,244	Lawrence	63,175	70,207
Dedham	25,298	23,782	Lee	6,247	5,849
Deerfield	4,517	5,018	Leicester	9,446	10,191
Dennis	12,360	13,864	Lenox	6,523	5,069
Dighton	5,352	5,631	Leominster	34,508	38,145
Douglas	3,730	5,438	Leverett	1,471	1,785

Table F-3. Massachusetts Population by City and Town: 1980 and 1990

City/Town	1980 US Census	1990 US Census	City/Town	1980 US Census	1990 US Census
Lexington	29,479	28,974	Pepperell	8,061	10,098
Leyden	498	662	Peru	633	779
Lincoln	7,098	7,666	Petersham	1,024	1,131
Littleton	6,970	7,051	Phillipston	953	1,485
Longmeadow	16,301	15,467	Pittsfield	51,974	48,622
Lowell	92,418	103,439	Plainfield	425	571
Ludlow	18,150	18,820	Plainville	5,857	6,871
Lunenburg	8,405	9,117	Plymouth	35,913	45,608
Lynn	78,471	81,245	Plympton	1,974	2,384
Lynnfield	11,267	11,274	Princeton	2,425	3,189
Malden	53,386	53,884	Provincetown	3,536	3,561
Manchester	5,424	5,286	Quincy	84,743	84,985
Mansfield	13,453	16,568	Randolph	28,218	30,093
Marblehead	20,126	19,971	Raynham	9,085	9,867
Marion	3,932	4,496	Reading	22,678	22,539
Marlborough	30,617	31,813	Rehoboth	7,570	8,656
Marshfield	20,916	21,531	Revere	42,423	42,786
Mashpee	3,700	7,884	Richmond	1,659	1,677
Mattapoisett	5,597	5,850	Rochester	3,205	3,921
Maynard	9,590	10,325	Rockland	15,695	16,123
Medfield	10,220	10,531	Rockport	6,345	7,482
Medford	58,076	57,407	Rowe	336	378
Medway	8,447	9,931	Rowley	3,867	4,452
Melrose	30,055	28,150	Royalston	955	1,147
Mendon	3,108	4,010	Russell	1,570	1,594
Merrimac	4,451	5,166	Rutland	4,334	4,936
Methuen	36,701	39,990	Salem	38,220	38,091
Middleborough	16,404	17,867	Salisbury	5,973	6,882
Middlefield	385	392	Sandisfield	720	667
Middleton	4,135	4,921	Sandwich	8,727	15,489
Milford	23,390	25,355	Saugus	24,746	25,549
Millbury	11,808	12,228	Savoy	644	634
Millis	6,908	7,613	Scituate	17,317	16,786
Millville	1,693	2,236	Seekonk	12,269	13,046
Milton	25,860	25,725	Sharon	13,601	15,517
Monroe	179	115	Sheffield	2,743	2,910
Monson	7,315	7,776	Shelburne	2,002	2,012
Montague	8,011	8,316	Sherborn	4,049	3,989
Monterey	818	805	Shirley	5,124	6,118
Montgomery	637	759	Shrewsbury	22,674	24,146
Mount Washington	93	135	Shutesbury	1,049	1,561
Nahant	3,947	3,828	Somerset	18,813	17,655
Nantucket	5,087	6,012	Somerville	77,372	76,210
Natick	29,461	30,510	South Hadley	16,399	16,685
Needham	27,901	27,557	Southampton	4,137	4,478
New Ashford	159	192	Southborough	6,193	6,628
New Bedford	98,478	99,922	Southbridge	16,665	17,816
New Braintree	671	881	Southwick	7,382	7,667
New Marlborough	1,160	1,240	Spencer	10,774	11,645
New Salem	688	802	Springfield	152,319	156,983
Newbury	4,529	5,623	Sterling	5,440	6,481
Newburyport	15,900	16,317	Stockbridge	2,328	2,408
Newton	83,622	82,585	Stoneham	21,424	22,203
Norfolk	6,363	9,270	Stoughton	26,710	26,777
North Adams	18,063	16,797	Stow	5,144	5,328
North Andover	20,129	22,792	Sturbridge	5,976	7,775
North Attleboro	21,095	25,038	Sudbury	14,027	14,358
North Brookfield	4,150	4,708	Sunderland	2,929	3,399
North Reading	11,455	12,002	Sutton	5,855	6,824
Northampton	29,286	29,289	Swampscott	13,837	13,650
Northborough	10,568	11,929	Swansea	15,461	15,411
Northbridge	12,246	13,371	Taunton	45,001	49,832
Northfield	2,386	2,838	Templeton	6,070	6,438
Norton	12,690	14,265	Tewksbury	24,635	27,266
Norwell	9,182	9,279	Tisbury	2,972	3,120
Norwood	29,711	28,700	Tolland	235	289
Oak Bluffs	1,984	2,804	Topsfield	5,709	5,754
Oakham	994	1,503	Townsend	7,201	8,496
Orange	6,844	7,312	Truro	1,486	1,573
Orleans	5,306	5,838	Tyngsborough	5,683	8,642
Otis	963	1,073	Tyringham	344	369
Oxford	11,680	12,588	Upton	3,886	4,677
Palmer	11,389	12,054	Uxbridge	8,374	10,415
Paxton	3,762	4,047	Wakefield	24,895	24,825
Peabody	45,976	47,039	Wales	1,177	1,566
Pelham	1,112	1,373	Walpole	18,859	20,212
Pembroke	13,487	14,544	Waltham	58,200	57,878

Table F-3. Massachusetts Population by City and Town: 1980 and 1990

City/Town	1980 US Census	1990 US Census
Ware	8,953	9,808
Wareham	18,457	19,232
Warren	3,777	4,437
Warwick	603	740
Washington	587	615
Watertown	34,384	33,284
Wayland	12,170	11,874
Webster	14,480	16,196
Wellesley	27,209	26,615
Wellfleet	2,209	2,493
Wendell	694	899
Wenham	3,897	4,212
West Boylston	6,204	6,611
West Bridgewater	6,359	6,389
West Brookfield	3,026	3,532
West Newbury	2,861	3,421
West Springfield	27,042	27,537
West Stockbridge	1,280	1,483
West Tisbury	1,010	1,704
Westborough	13,619	14,133
Westfield	36,465	38,372
Westford	13,434	16,392
Westhampton	1,137	1,327
Westminster	5,139	6,191
Weston	11,169	10,200
Westport	13,763	13,852
Westwood	13,212	12,557
Weymouth	55,601	54,063
Whately	1,341	1,375
Whitman	13,534	13,240
Wilbraham	12,053	12,635
Williamsburg	2,237	2,515
Williamstown	8,741	8,220
Wilmington	17,471	17,651
Winchendon	7,019	8,805
Winchester	20,701	20,267
Windsor	598	770
Winthrop	19,294	18,127
Woburn	36,626	35,943
Worcester	161,799	169,759
Worthington	932	1,156
Wrentham	7,580	9,006
Yarmouth	18,449	21,174
Statewide Totals	5,737,037	6,016,425

Table F-4. Population Counts and Estimates, Massachusetts: 1980-1995

AGE GROUP	YEAR	TOTAL	MALE	FEMALE
0-4	1980	337,215	173,029	164,186
	1981	345,629	177,271	168,358
	1982	354,042	181,512	172,530
	1983	362,455	185,754	176,701
	1984	370,868	189,995	180,873
	1985	379,282	194,237	185,045
	1986	387,696	198,479	189,217
	1987	396,109	202,720	193,389
	1988	404,522	206,962	197,560
	1989	412,935	211,203	201,732
	1990	421,349	215,445	205,904
	1991	414,476	211,926	202,550
	1992	407,605	208,426	199,179
	1993	400,717	204,902	195,815
	1994	393,842	201,388	192,454
	1995	386,971	197,891	189,080
5-9	1980	374,734	191,602	183,132
	1981	374,923	191,790	183,133
	1982	375,111	191,978	183,133
	1983	375,300	192,166	183,134
	1984	375,488	192,354	183,134
	1985	375,677	192,542	183,135
	1986	375,865	192,730	183,135
	1987	376,054	192,918	183,136
	1988	376,242	193,106	183,136
	1989	376,431	193,294	183,137
	1990	376,619	193,482	183,137
	1991	377,918	194,157	183,761
	1992	379,195	194,814	184,381
	1993	380,489	195,470	185,019
	1994	381,766	196,130	185,636
	1995	383,063	196,789	186,274
10-14	1980	461,332	235,669	225,663
	1981	449,900	229,892	220,008
	1982	438,469	224,115	214,354
	1983	427,037	218,338	208,699
	1984	415,606	212,561	203,045
	1985	404,174	206,784	197,390
	1986	392,742	201,007	191,735
	1987	381,311	195,230	186,081
	1988	369,879	189,453	180,426
	1989	358,448	183,676	174,772
	1990	347,016	177,899	169,117
	1991	353,412	181,166	172,246
	1992	359,812	184,427	175,385
	1993	366,212	187,702	178,510
	1994	372,612	190,963	181,649
	1995	379,008	194,244	184,764

Table F-4. Population Counts and Estimates, Massachusetts: 1980-1995

AGE GROUP	YEAR	TOTAL	MALE	FEMALE
15-19	1980	548,239	274,859	273,380
	1981	535,018	268,302	266,716
	1982	521,797	261,745	260,052
	1983	508,576	255,188	253,388
	1984	495,355	248,631	246,724
	1985	482,135	242,074	240,061
	1986	468,914	235,517	233,397
	1987	455,693	228,960	226,733
	1988	442,472	222,403	220,069
	1989	429,251	215,846	213,405
	1990	416,030	209,289	206,741
	1991	415,428	209,079	206,349
	1992	414,832	208,856	205,976
	1993	414,213	208,652	205,561
	1994	413,615	208,424	205,191
	1995	413,015	208,215	204,800
20-24	1980	552,902	270,713	282,189
	1981	549,331	269,307	280,024
	1982	545,761	267,902	277,859
	1983	542,189	266,496	275,693
	1984	538,619	265,091	273,528
	1985	535,048	263,685	271,363
	1986	531,477	262,279	269,198
	1987	527,907	260,874	267,033
	1988	524,335	259,468	264,867
	1989	520,765	258,063	262,702
	1990	517,194	256,657	260,537
	1991	504,121	250,187	253,934
	1992	491,037	243,714	247,323
	1993	477,970	237,245	240,725
	1994	464,885	230,763	234,122
	1995	451,814	224,290	227,524
25-29	1980	489,175	239,341	249,834
	1981	495,889	243,136	252,753
	1982	502,604	246,932	255,672
	1983	509,318	250,727	258,591
	1984	516,033	254,523	261,510
	1985	522,748	258,318	264,430
	1986	529,462	262,113	267,349
	1987	536,177	265,909	270,268
	1988	542,891	269,704	273,187
	1989	549,606	273,500	276,106
	1990	556,320	277,295	279,025
	1991	542,906	270,616	272,290
	1992	529,523	263,932	265,591
	1993	516,105	257,238	258,867
	1994	502,715	250,549	252,166
	1995	489,308	243,855	245,453

Table F-4. Population Counts and Estimates, Massachusetts: 1980-1995

AGE GROUP	YEAR	TOTAL	MALE	FEMALE
30-34	1980	446,395	217,649	228,746
	1981	455,988	222,754	233,234
	1982	465,582	227,859	237,723
	1983	475,176	232,965	242,211
	1984	484,769	238,070	246,699
	1985	494,363	243,175	251,188
	1986	503,956	248,280	255,676
	1987	513,549	253,385	260,164
	1988	523,143	258,491	264,652
	1989	532,737	263,596	269,141
	1990	542,330	268,701	273,629
	1991	537,086	266,041	271,045
	1992	531,846	263,383	268,463
	1993	526,615	260,732	265,883
	1994	521,377	258,059	263,318
	1995	516,132	255,417	260,715
35-39	1980	348,552	169,502	179,050
	1981	361,814	176,272	185,542
	1982	375,076	183,042	192,034
	1983	388,339	189,812	198,527
	1984	401,601	196,582	205,019
	1985	414,863	203,352	211,511
	1986	428,125	210,122	218,003
	1987	441,387	216,892	224,495
	1988	454,650	223,662	230,988
	1989	467,912	230,432	237,480
	1990	481,174	237,202	243,972
	1991	487,579	240,363	247,216
	1992	493,998	243,516	250,482
	1993	500,412	246,690	253,722
	1994	506,839	249,845	256,994
	1995	513,237	253,015	260,222
40-44	1980	278,748	134,925	143,823
	1981	294,210	142,572	151,638
	1982	309,673	150,220	159,453
	1983	325,136	157,867	167,269
	1984	340,599	165,515	175,084
	1985	356,061	173,162	182,899
	1986	371,523	180,809	190,714
	1987	386,986	188,457	198,529
	1988	402,449	196,104	206,345
	1989	417,912	203,752	214,160
	1990	433,374	211,399	221,975
	1991	443,742	216,488	227,254
	1992	454,118	221,573	232,545
	1993	464,496	226,676	237,820
	1994	474,880	231,775	243,105
	1995	485,243	236,878	248,365

Table F-4. Population Counts and Estimates, Massachusetts: 1980-1995

AGE GROUP	YEAR	TOTAL	MALE	FEMALE
45-49	1980	278,261	134,444	143,817
	1981	283,768	137,263	146,505
	1982	289,275	140,082	149,193
	1983	294,783	142,902	151,881
	1984	300,290	145,721	154,569
	1985	305,798	148,540	157,258
	1986	311,305	151,359	159,946
	1987	316,812	154,178	162,634
	1988	322,320	156,998	165,322
	1989	327,827	159,817	168,010
	1990	333,334	162,636	170,698
	1991	345,718	168,718	177,000
	1992	358,097	174,792	183,305
	1993	370,466	180,887	189,579
	1994	382,849	186,970	195,879
	1995	395,230	193,058	202,172
50-54	1980	306,574	146,211	160,363
	1981	302,177	144,248	157,929
	1982	297,779	142,285	155,494
	1983	293,382	140,322	153,060
	1984	288,985	138,359	150,626
	1985	284,588	136,396	148,192
	1986	280,190	134,433	145,757
	1987	275,793	132,470	143,323
	1988	271,396	130,507	140,889
	1989	266,998	128,544	138,454
	1990	262,601	126,581	136,020
	1991	277,035	133,625	143,410
	1992	291,457	140,648	150,809
	1993	305,890	147,680	158,210
	1994	320,312	154,723	165,589
	1995	334,748	161,763	172,985
55-59	1980	310,995	145,603	165,392
	1981	305,113	143,060	162,053
	1982	299,230	140,517	158,713
	1983	293,349	137,975	155,374
	1984	287,467	135,432	152,035
	1985	281,585	132,889	148,696
	1986	275,702	130,346	145,356
	1987	269,820	127,803	142,017
	1988	263,939	125,261	138,678
	1989	258,056	122,718	135,338
	1990	252,174	120,175	131,999
	1991	258,415	123,216	135,199
	1992	264,664	126,264	138,400
	1993	270,924	129,325	141,599
	1994	277,173	132,360	144,813
	1995	283,414	135,406	148,008

Table F-4. Population Counts and Estimates, Massachusetts: 1980-1995

AGE GROUP	YEAR	TOTAL	MALE	FEMALE
60-64	1980	277,384	126,323	151,061
	1981	275,837	125,852	149,985
	1982	274,288	125,380	148,908
	1983	272,741	124,909	147,832
	1984	271,192	124,437	146,755
	1985	269,645	123,966	145,679
	1986	268,097	123,495	144,602
	1987	266,549	123,023	143,526
	1988	265,001	122,552	142,449
	1989	263,453	122,080	141,373
	1990	261,905	121,609	140,296
	1991	259,702	120,630	139,072
	1992	257,490	119,652	137,838
	1993	255,294	118,691	136,603
	1994	253,082	117,704	135,378
	1995	250,879	116,732	134,147
65-69	1980	235,574	101,023	134,551
	1981	237,155	101,963	135,192
	1982	238,736	102,903	135,833
	1983	240,316	103,843	136,473
	1984	241,897	104,783	137,114
	1985	243,479	105,724	137,755
	1986	245,060	106,664	138,396
	1987	246,641	107,604	139,037
	1988	248,221	108,544	139,677
	1989	249,802	109,484	140,318
	1990	251,383	110,424	140,959
	1991	248,181	109,072	139,109
	1992	244,981	107,708	137,273
	1993	241,769	106,353	135,416
	1994	238,566	104,997	133,569
	1995	235,367	103,640	131,727
70-74	1980	187,041	73,235	113,806
	1981	189,070	74,466	114,604
	1982	191,099	75,696	115,403
	1983	193,128	76,927	116,201
	1984	195,157	78,157	117,000
	1985	197,186	79,388	117,798
	1986	199,215	80,619	118,596
	1987	201,244	81,849	119,395
	1988	203,273	83,080	120,193
	1989	205,302	84,310	120,992
	1990	207,331	85,541	121,790
	1991	208,014	85,869	122,145
	1992	208,703	86,208	122,495
	1993	209,396	86,535	122,861
	1994	210,085	86,874	123,211
	1995	210,767	87,205	123,562

Table F-4. Population Counts and Estimates, Massachusetts: 1980-1995

AGE GROUP	YEAR	TOTAL	MALE	FEMALE
75-79	1980	137,828	48,145	89,683
	1981	140,010	49,234	90,776
	1982	142,193	50,323	91,870
	1983	144,376	51,413	92,963
	1984	146,558	52,502	94,056
	1985	148,741	53,591	95,150
	1986	150,923	54,680	96,243
	1987	153,105	55,769	97,336
	1988	155,288	56,859	98,429
	1989	157,471	57,948	99,523
	1990	159,653	59,037	100,616
	1991	162,139	59,983	102,156
	1992	164,614	60,933	103,681
	1993	167,101	61,880	105,221
	1994	169,576	62,818	106,758
	1995	172,062	63,780	108,282
80-84	1980	92,180	28,513	63,667
	1981	93,592	29,009	64,583
	1982	95,004	29,504	65,500
	1983	96,416	30,000	66,416
	1984	97,828	30,495	67,333
	1985	99,240	30,991	68,249
	1986	100,651	31,486	69,165
	1987	102,064	31,982	70,082
	1988	103,475	32,477	70,998
	1989	104,888	32,973	71,915
	1990	106,299	33,468	72,831
	1991	108,378	34,156	74,222
	1992	110,457	34,867	75,590
	1993	112,539	35,553	76,986
	1994	114,616	36,230	78,386
	1995	116,695	36,921	79,774
$\geq$ 85	1980	73,908	20,107	53,801
	1981	75,551	20,287	55,264
	1982	77,195	20,467	56,728
	1983	78,837	20,646	58,191
	1984	80,480	20,826	59,654
	1985	82,124	21,006	61,118
	1986	83,767	21,186	62,581
	1987	85,410	21,366	64,044
	1988	87,052	21,545	65,507
	1989	88,696	21,725	66,971
	1990	90,339	21,905	68,434
	1991	94,434	22,982	71,452
	1992	98,514	24,044	74,470
	1993	102,592	25,104	77,488
	1994	106,670	26,174	80,496
	1995	110,766	27,240	83,526

Table F-4. Population Counts and Estimates, Massachusetts: 1980-1995

AGE GROUP	YEAR	TOTAL	MALE	FEMALE
TOTAL	1980	5,737,037	2,730,893	3,006,144
	1981	5,764,975	2,746,678	3,018,297
	1982	5,792,914	2,762,462	3,030,452
	1983	5,820,854	2,778,250	3,042,604
	1984	5,848,792	2,794,034	3,054,758
	1985	5,876,737	2,809,820	3,066,917
	1986	5,904,670	2,825,604	3,079,066
	1987	5,932,611	2,841,389	3,091,222
	1988	5,960,548	2,857,176	3,103,372
	1989	5,988,490	2,872,961	3,115,529
	1990	6,016,425	2,888,745	3,127,680
	1991	6,038,684	2,898,274	3,140,410
	1992	6,060,943	2,907,757	3,153,186
	1993	6,083,200	2,917,315	3,165,885
	1994	6,105,460	2,926,746	3,178,714
	1995	6,127,719	2,936,339	3,191,380

APPENDICES

MIAMI SYSTEMS CORP., BOSTON, MA 617-444-8840 800-888-1222

USE ONLY STATE APPROVED RIBBONS AND MASS. STANDARD INK
AS REQUIRED BY GEN. LAWS, CHAP. 66, SECT. 4

STATE USE ONLY

The Commonwealth of Massachusetts
DEPARTMENT OF PUBLIC HEALTH
REGISTRY OF VITAL RECORDS AND STATISTICS
STANDARD CERTIFICATE OF LIVE BIRTH

1. RECORD NUMBER

1A. CERTIFICATE NUMBER (DPH USE ONLY)

2. FACILITY NUMBER

3D. REGISTERED NUMBER

CHILD

3. PLACE OF BIRTH
3C. CITY/TOWN
3B. COUNTY
3A. FACILITY NAME-IF NOT IN FACILITY, NUMBER AND STREET

NAME 4A. FIRST 4B. MIDDLE 4C. LAST

5. SEX | 6A. PLURALITY | 6B. BIRTH ORDER | 7. TIME | 8 DATE OF BIRTH (Month, Day, Year)

CERTIFIER

9A. SIGNATURE (I Certify that the Child was Born Alive at Date and Time and Place Stated.) | 9B TYPE OR PRINT NAME | 9C. LICENSE NUMBER

9D. NO. & STREET | 9E. CITY/TOWN | 9F. STATE | 9G. ZIP CODE | 9H. DATE SIGNED (Month, Day, Year)

9I. TYPE | 9J. TITLE

MOTHER

NAME 10A. FIRST 10B MIDDLE 10C. LAST 10D. MAIDEN SURNAME

BIRTHPLACE 11A. CITY/TOWN 11B. STATE/COUNTRY 12. DATE OF BIRTH (Month, Day, Year)

RESIDENCE (Do not use mailing address) 13A. NUMBER AND STREET 13B. CITY/TOWN 13C. COUNTY 13D. STATE 13E. ZIP CODE

FATHER

NAME 14A. FIRST 14B. MIDDLE 14C. LAST

BIRTHPLACE 15A. CITY/TOWN 15B. STATE/COUNTRY 16. DATE OF BIRTH (Month, Day, Year)

22A. SOCIAL SECURITY CARD

INITIALS

INFORMANT

17A. I (WE) CERTIFY THAT THE PERSONAL INFORMATION APPEARING ABOVE IS TRUE AND CORRECT. 17B. RELATIONSHIP TO CHILD

22B. RESIDENT COPY

17C. DATE SIGNED (Month, Day, Year) | 17D. MAILING ADDRESS (If different from item # 13 above) NUMBER AND STREET CITY STATE ZIP CODE

INITIALS

CLERK

18. DATE OF RECORD (Month, Day, Year) | 19. SUPPLEMENT FILED (Month, Day, Year) | 20. CLERK/REGISTRAR

1. OCCURRENCE

21. DPH USE ONLY

R-3C • 200M • 10-95 • 871201

SAMPLE

[INSTRUCTIONS ON REVERSE SIDE]
FOR USE BY PHYSICIANS AND MEDICAL EXAMINERS

The Commonwealth of Massachusetts

STANDARD CERTIFICATE OF DEATH
REGISTRY OF VITAL RECORDS AND STATISTICS

REGISTERED NUMBER | STATE USE ONLY

STATE USE ONLY
4a PLACE
4c HOSP
5 TYPE
7 VET
6 HISP | RACE
8 EDUC
10 AGE
11 NATIVITY
12 MARITAL
15 RESID
18 OUT-STATE
23 DISP
31-32 AUTOP
20 MED EXAM
34 MANNER
36C WORK INJ
35F PLACE
36-37 CERT
40A RN PRO

DECEDENT

1 DECEDENT - NAME: FIRST | MIDDLE | LAST
2 SEX
3 DATE OF DEATH (Mo., Day, Yr.)
4a PLACE OF DEATH (City/Town)
4b COUNTY OF DEATH
4c HOSPITAL OR OTHER INSTITUTION - Name (If not in either, give street and number)
5 PLACE OF DEATH (Check only one): HOSPITAL: ☐ Inpatient ☐ ER/Outpatient ☐ DOA; OTHER: ☐ Nursing Home ☐ Residence ☐ Other (Specify)
6 SOCIAL SECURITY NUMBER
7 IF US WAR VETERAN SPECIFY WAR
8a WAS DECEDENT OF HISPANIC ORIGIN? (If yes, Specify Puerto Rican, Dominican, Cuban, etc.) ☐ NO ☐ YES — Specify
8b RACE (e.g. White, Black, American Indian, etc.) (Specify)
9 DECEDENT'S EDUCATION (Highest Grade Completed): Elem/Sec (0-12) | College (1-4, 5+)
10a AGE - Last Birthday (Yrs.): UNDER 1 YEAR: MOS b | DAYS; UNDER 1 DAY: HOURS | MINS c
10d DATE OF BIRTH (Mo., Day, Yr.)
11 BIRTHPLACE (City and State or Foreign Country)
12 MARRIED, NEVER MARRIED, WIDOWED OR DIVORCED
13 LAST SPOUSE (If wife, give maiden name)
14a USUAL OCCUPATION (Prior - If retired)
14b KIND OF BUSINESS OR INDUSTRY
15a RESIDENCE - NO. & ST., CITY/TOWN, COUNTY, STATE/COUNTRY
15b ZIP CODE
16 FATHER - FULL NAME
17 STATE OF BIRTH (If not in US, name country)
18 MOTHER - NAME (GIVEN) (MAIDEN)
19 STATE OF BIRTH (If not in US, name country)

INFORMANT

20 INFORMANT'S NAME
21 MAILING ADDRESS - NO. & ST., CITY/TOWN, STATE, ZIP CODE
22 RELATIONSHIP

DISPOSITION

23 METHOD OF DISPOSITION: ☐ BURIAL ☐ CREMATION ☐ ENTOMBMENT ☐ REMOVAL FROM STATE ☐ DONATION ☐ OTH SPEC
24 FUNERAL SERVICE LICENSEE
25 LICENSE #
26a PLACE OF DISPOSITION (Name of Cemetery, Crematory or other)
26b LOCATION (City/Town, State)
27 DATE OF DISPOSITION (Mo., Day, Yr.)
28a/b NAME AND ADDRESS OF FACILITY

CERTIFIER

29 PART I - Enter the diseases, injuries, or complications that caused the death. Do not use only the mode of dying, such as cardiac or respiratory arrest, shock or heart failure. List only one cause on each line (a through d). PRINT OR TYPE LEGIBLY.
Approximate Interval Between Onset and Death
IMMEDIATE CAUSE (Final disease or condition resulting in death) → a ____ DUE TO (OR AS A CONSEQUENCE OF)
Sequentially list conditions, if any, leading to immediate cause. Enter UNDERLYING CAUSE (disease or injury that initiated events resulting in death) LAST.
b ____ DUE TO (OR AS A CONSEQUENCE OF)
c ____ DUE TO (OR AS A CONSEQUENCE OF)
d ____
PART II - Other significant conditions contributing to death but not resulting in underlying cause given in Part I
31 WAS AUTOPSY PERFORMED? (Yes or No)
32 WERE AUTOPSY FINDINGS AVAILABLE PRIOR TO COMPLETION OF CAUSE OF DEATH? (Yes or No)
33 WAS CASE REFERRED TO M.E.? (Yes or No)
34 MANNER OF DEATH: ☐ NATURAL ☐ ACCIDENT ☐ HOMICIDE ☐ SUICIDE ☐ COULD NOT BE DETERMINED ☐ PENDING INVESTIGATION
35a DATE OF INJURY (Mo., Day, Yr.)
35b TIME OF INJURY M
35c INJURY AT WORK (Yes or No)
35d DESCRIBE HOW INJURY OCCURRED
35e PLACE OF INJURY - At home, farm, street, factory, office bldg., etc. Specify
35f LOCATION (Apt. #, St., City/Town, State)

To be Completed by CERTIFYING PHYSICIAN Only:
36a To the best of my knowledge, death occurred at the time, date, and place and due to the cause(s) stated (Signature and Title)
36b DATE SIGNED (Mo., Day, Yr.)
36c HOUR OF DEATH M
36d NAME OF ATTENDING PHYSICIAN IF NOT CERTIFIER

To be Completed by MEDICAL EXAMINER:
37a On the basis of examination and/or investigation in my opinion death occurred at the time, date, and place and due to the cause(s) stated (Signature and Title)
37b DATE SIGNED (Mo., Day, Yr.)
37c HOUR OF DEATH M
37d PRONOUNCED DEAD (Mo., Day, Yr.)
37e PRONOUNCED DEAD (Hr.) M
39 LICENSE NO. OF CERTIFIER

38 NAME AND ADDRESS OF CERTIFYING PHYSICIAN OR MEDICAL EXAMINER (Type or Print)
40a WAS THERE AN R.N. PRONOUNCEMENT? Yes or No
40b IF YES, DATE PRONOUNCED
40c IF YES, TIME PRONOUNCED M
40d NAME OF PRONOUNCING REGISTERED NURSE — NAME

41 DATE BURIAL PERMIT ISSUED — SIGNATURE - BD. OF HEALTH AGENT
42 RECEIVED IN THE CITY/TOWN OF: — CLERK'S SIGNATURE
43 DATE OF RECORD

SAMPLE
SAMPLE

BLACK INK ONLY

R-301-89

The Commonwealth of Massachusetts

DEPARTMENT OF PUBLIC HEALTH
REGISTRY OF VITAL RECORDS AND STATISTICS

REPORT OF FETAL DEATH

STATE FILE NUMBER

MOTHER

HOSPITAL—NAME (If not in hospital, give street and number) 1a.	CITY, TOWN OR LOCATION OF DELIVERY 1b.		COUNTY OF DELIVERY 1c.
DATE OF DELIVERY (Month, Day, Year) 2a.	HOUR OF DELIVERY 2b.	SEX OF FETUS 3	WEIGHT OF FETUS 4
MOTHER—MAIDEN NAME FIRST MIDDLE LAST 5a.	AGE (At time of this delivery) 5b.	RESIDENCE—STATE 6a.	COUNTY 6b.
CITY, TOWN OR LOCATION 6c.	STREET AND NUMBER 6d.		

RACE—(e.g., White, Black, American Indian, etc.) (Specify) 7.	EDUCATION (Specify only highest grade completed) Elementary or Secondary (0-12) 8.	College (1-4 or 5+)	DATE LAST NORMAL MENSES BEGAN (Month, Day, Year) 9.	IS MOTHER MARRIED? (Specify yes or no) 10.	PREGNANCY HISTORY (Complete each section) LIVE BIRTHS: 11a. Now living Number ___ None ☐; 11b. Now dead Number ___ None ☐ / OTHER TERMINATIONS (Spontaneous and Induced): 11d. Before 20 weeks Number ___ None ☐; 11e. After 20 weeks Number ___ (Do not include this fetus) None ☐
MONTH OF PREGNANCY PRENATAL CARE BEGAN First, second, etc. (Specify) 12a.	PRENATAL VISITS—Total number (If none, so state) 12b.	THIS BIRTH—Single, twin, triplet, etc. (Specify) 13a.	IF NOT SINGLE BIRTH—Born first, second, third, etc (Specify) 13b.	DATE OF LAST LIVE BIRTH (Month, Year) 11c.	DATE OF LAST OTHER TERMINATION (as indicated in d or e above) (Month, Year) 11f.

FATHER

FATHER—NAME First Middle Last 14a.	AGE (At time of this delivery) 14b.	RACE—(e.g., White, Black, American Indian, etc.) (Specify) 14c.	EDUCATION (Specify only highest grade completed) Elementary or Secondary (0-12)	College (1-4 or 5+) 14d.

CAUSE OF FETAL DEATH

15. PART I — Fetal or maternal condition directly causing fetal death.

(a) IMMEDIATE CAUSE (ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c).) — Specify Fetal or Maternal

DUE TO, OR AS A CONSEQUENCE OF

(b) — Specify Fetal or Maternal

DUE TO, OR AS A CONSEQUENCE OF

(c) — Specify Fetal or Maternal

Fetal and/or maternal conditions, if any, giving rise to the immediate cause (a), stating the underlying cause last.

PART II — OTHER SIGNIFICANT CONDITIONS OF FETUS OR MATTER Conditions contributing to fetal death but not related to cause given in (a)

IF NOT DELIVERED BEFORE LABOR, DURING LABOR OR DELIVERY, UNKNOWN (Specify) 16.	PHYSICIAN'S ESTIMATE OF GESTATION 17. Weeks	AUTOPSY (Specify yes or no) 18.

COMPLICATIONS OF PREGNANCY (Describe or write "none") 19.	COMPLICATIONS OF LABOR AND/OR DELIVERY (Describe or write "none") 20.
CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY (Describe or write "none") 21.	CONGENITAL MALFORMATIONS OR ANOMALIES OF FETUS (Describe or write "none") 22.
NAME OF PHYSICIAN OR ATTENDANT (Type or print) 23.	NAME OF PERSON COMPLETING REPORT (Type or print) TITLE 24.

DISPOSITION

BURIAL, CREMATION, OR BY HOSPITAL 25.	CEMETERY OR CREMATORY—NAME OR WRITE "NONE" 26.	LOCATION CITY OR TOWN STATE 26a.		
NAME OF FUNERAL DIRECTOR (IF ANY) 27.	NAME OF FACILITY (Hospital or Funeral Home) 28.	ADDRESS OF FACILITY 28a.		

CERTIFIER

I HEREBY CERTIFY that this delivery occurred on the date stated and product of conception was not a live birth.

Signature of Attending Physician or Medical Examiner _____ TITLE

SAMPLE

SAMPLE

DEFINITION: "Fetal death" per chapter 111 section 202 of the M.G.L. means death prior to the complete expulsion or extraction from its mother of a fetus, irrespective of the duration of pregnancy, as indicated by the fact that after such expulsion or extraction the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. A fetal death does NOT include an induced abortion as defined in section 12K of chapter 112 of M.G.L.. Spontaneous abortions are to be included.

TO BE REPORTED: Only fetal deaths of twenty weeks or more gestation or of a weight of 350 grams or more are to be reported.

INSTRUCTIONS: Return completed reported within 10 days to the Registry of Vital Records and Statistics, Rm.

FORM R—304—5M 11/77 PHR.

FORM R-101-89

IIS CERTIFICATE IS
)T TO BE USED
ITSIDE OF
\SSACHUSETTS.

)T VALID AFTER:

S IS A PERMANENT RECORD.
only **durable black ink** or approved
k typewriter ribbon. Every item of
rmation should be carefully supplied.
TERATIONS AND ERASURES IN
:S CERTIFICATE ARE FORBID-
N; PENALTY FOR VIOLATION,
E HUNDRED DOLLARS.

L CHAP. 207, §§ 28, 28A, 48, 49,
57 and CHAP. 46, § 18.

MEDICAL
CERTIFICATES
ON FILE

COMMISSION
ON FILE

The Commonwealth of Massachusetts

DEPARTMENT OF PUBLIC HEALTH
REGISTRY OF VITAL RECORDS AND STATISTICS

CERTIFICATE OF MARRIAGE

This certificate must be delivered to the person before whom the marriage is to be contracted before he proceeds to solemnize the same

(State file number)

(City or town making return)

Registered No.

1 Place of Marriage

City or Town
(Do not enter name of village or section of city or town)

2 Date of Marriage (Month) (Day) (Year)

Intention No.

3 FULL NAME GROOM	12 FULL NAME BRIDE
3A SURNAME AFTER MARRIAGE	12A SURNAME AFTER MARRIAGE
4 DATE OF BIRTH / 5 OCCUPATION	13 DATE OF BIRTH / 14 OCCUPATION
6 RESIDENCE NO. & ST. CITY/ TOWN ST. ZIP CODE	15 RESIDENCE NO. & ST. CITY/ TOWN ST. ZIP CODE
7 NUMBER OF MARRIAGE (1st, 2nd, 3rd, etc.) / 8 WIDOWED OR DIVORCED	16 NUMBER OF MARRIAGE (1st, 2nd, 3rd, etc.) / 17 WIDOWED OR DIVORCED
9 BIRTHPLACE (City or town) (State or country)	18 BIRTHPLACE (City or town) (State or country)
10 MAIDEN NAME OF MOTHER	19 MAIDEN NAME OF MOTHER
11 NAME OF FATHER	20 NAME OF FATHER

SAMPLE

SAMPLE

21 THE INTENTION OF MARRIAGE by the above-mentioned persons was duly entered by me in the records of the Community of (Name of Community) according to law, this day of 19

☐ COURT WAIVER Issued (Month) (Day) (Year) by (City or Town Clerk or Registrar)
☐ AGE ORDER

22 I HEREBY CERTIFY that I joined the above-named persons in marriage at No. St., (If marriage was solemnized in a church, give its NAME instead of street and number)
(Name of city or town) on (Month) (Day) (Year)

Signature Official station (Minister of the Gospel, Clergyman, Priest, Rabbi, or Justice of the Peace)
(Print or type name)

Residence No. St., City or Town of

23 Certificate recorded by city or town clerk (Month) (Day) (Year) CLERK OR REGISTRAR

R-408 30M 9/78 phr

The Commonwealth of Massachusetts

DEPARTMENT OF PUBLIC HEALTH

REGISTRY OF VITAL RECORDS AND STATISTICS

CERTIFICATE OF ABSOLUTE DIVORCE OR ANNULMENT

(Chap. 208, Sec. 46 G.L.)

R-408

SAMPLE

HUSBAND

HUSBAND NAME	FIRST	MIDDLE	LAST

USUAL RESIDENCE STREET ADDRESS 2a		CITY TOWN OR LOCATION 2b	
COUNTY 2c	STATE 2d	DATE OF BIRTH (Mo. Day Yr.) 3	NUMBER OF THIS MARRIAGE (1st, 2nd, Specify) 4

WIFE

WIFE NAME	FIRST	MIDDLE	LAST	MAIDEN NAME
5a				5b

USUAL RESIDENCE STREET ADDRESS 6a		CITY TOWN OR LOCATION 6b	
COUNTY 6c	STATE 6d	DATE OF BIRTH (Mo. Day Yr.) 7	NUMBER OF THIS MARRIAGE (1st, 2nd, Specify) 8

DATE OF THIS MARRIAGE (Mo. Day Yr.) 9	NUMBER OF CHILDREN BORN ALIVE OF THIS MARRIAGE 10a	NUMBER OF CHILDREN UNDER AGE 18 IN THIS FAMILY 10b

JUDGMENT

FOR COURT USE ONLY

COUNTY OF JUDGMENT 11.		TITLE OF COURT 11a
DATE OF JUDGMENT NISI (Mo. Day Yr.) 12.	TYPE OF JUDGMENT DIVORCE OR ANNULMENT (Specify) 13	DATE OF JUDGMENT ABSOLUTE (Mo. Day Yr.) 14
DOCKET NUMBER 15	NAME OF PLAINTIFF 16	CAUSE FOR WHICH GRANTED 17
SIGNATURE OF CERTIFYING OFFICIAL 18a		TITLE OF OFFICIAL 18b

SAMPLE

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